

The CHEMIST AND DRUGGIST



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OCTOBER 10, 1931

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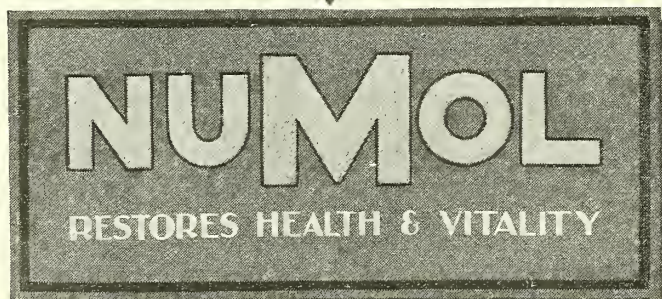
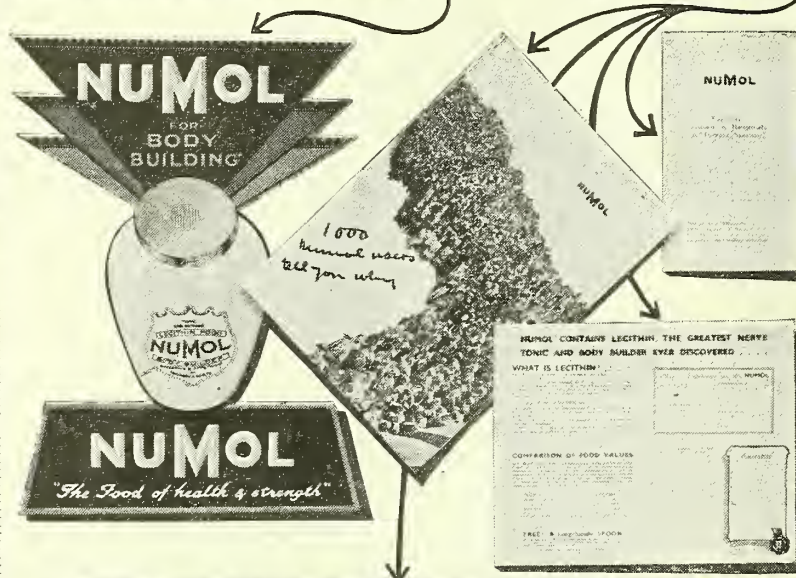
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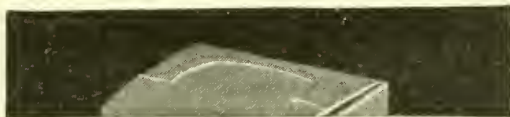
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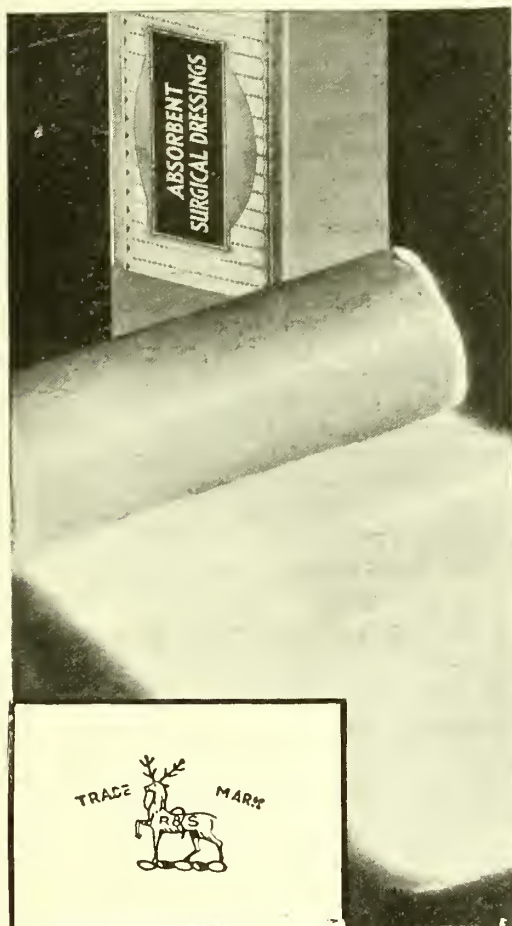
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To those Herbalists, Chemists, and others who have taken up these Formulas I tender my sincere thanks for the many Reports of cases cured by use of the Formulas, and it is kind of you to send me notice of cures. Excuse me quoting from your letters without using your names.

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* E. A. Lum (Ph. J., 26 Sept. '31, p. 258) states: "A fair proportion of mullein was discovered, and it appears, therefore, that, whether intentional or otherwise, mullein leaf powder is used in commerce as a substitute for digitalis."



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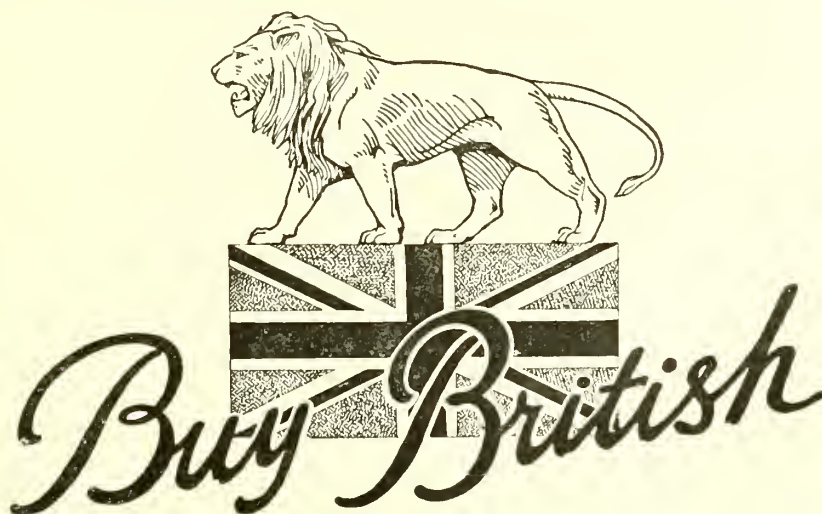
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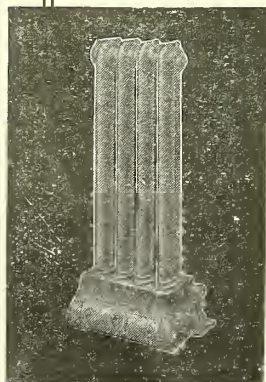
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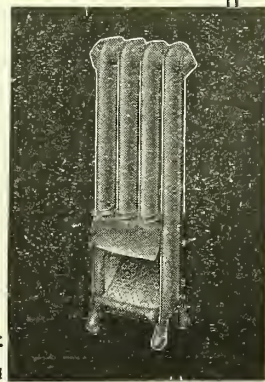
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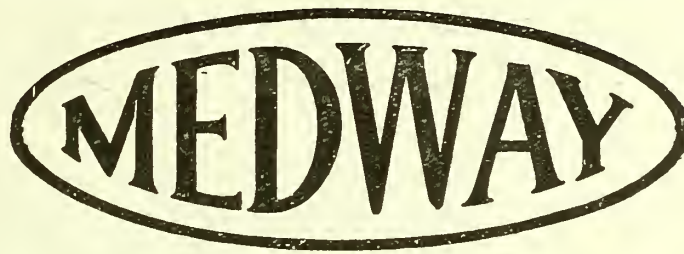
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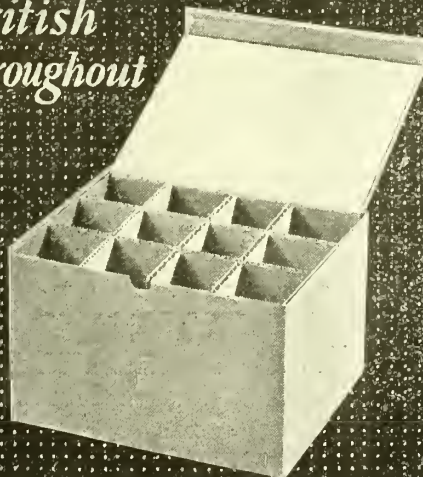
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TALKING of bad times gets one nowhere. What is wanted is action. Here is our contribution, a definite example of the enterprise of the House of Maw.

Maw's Xmas List is bigger than ever this year—112 pages in all—and better. From cover to cover it is packed with profit-making suggestions for your Xmas business.

Use it to increase your gift business and to make the end of this difficult year brilliantly successful. But use it now, at once, for many of the excellent lines it contains will be sold out in a week or two and cannot be repeated. To-day is not a minute too early to order.

S. MAW, SON & SONS, Ltd., LONDON, E.C.1

NOW IS THE TIME

Have you your stock of Elastrong De Luxe Hot Water Bottles? Now is the time to order. Don't delay longer and miss the 50% profit and the quick turnover on the sale of this high quality line with a splendid sales record.

The Elastrong De Luxe is the Chemists' Hot Water Bottle, made specially for your high class trade. It is price protected and carries a profit of 50% on your purchase price. And you could not wish for a more beautiful and attractive hot water bottle to sell.

Made of the strongest rubber in five rich, bright colours. Fitted with a chromium plated, patent stopper with a wear-resisting base and washer, attached by a safety chain, and displayed in a unique and most attractive form.

Make the Elastrong De Luxe your first line this season. Post your order to-day.



3 quart (nominal) size.

A LOWER PRICED BOTTLE

As a second line to supply the demand for a good bottle at a low price, carry the Everlastic. This high quality bottle is made in one piece. Extra wide neck. Nickel plated stopper and chain. In five colours and two sizes.

Retail Prices—Uncontrolled.

Trade Prices:—

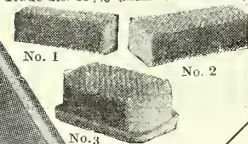
3 qt. size 2/2 each
2 qt. size 2/- each



3 qt.

UNIQUE NAIL-BRUSHES

These pure Crepe Rubber Nail Brushes are unique in efficiency. The short rubber bristles clean rapidly and perfectly and massage the skin. They are a quick selling line where there is a high class trade. In three sizes and four colours.



No. 1

No. 2

No. 3

Retail price 4/6 ea.
Trade price 3/- ea.
This represents a protected profit of 50%

ST. HELENS

PRODUCTS OF QUALITY

Tear out this advertisement, attach to it your trade label and send for full details of these profitable lines.

ST. HELENS CABLE & RUBBER CO. LTD. SLOUGH

Corks

OF EVERY DESCRIPTION

Send us your Enquiries, and compare our prices.

WHOLESALE & EXPORT.

C. OLLEY & SONS, LTD.

ESTABLISHED 1844.

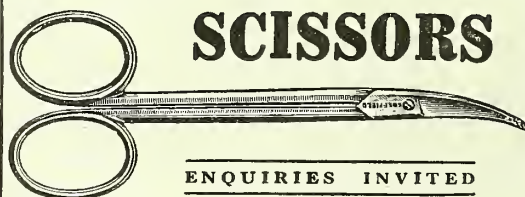
Camperdown St., and Gt. Alie St., London, E.1.
Tel. No. : Royal 2868. Tel. Add.: "Circumference, Ald, London."

METALLIC CAPSULES

for all purposes.

The Tonkin Metallic Capsule Co.

Proprietors C. Olley & Sons, Ltd.



SCISSORS

ENQUIRIES INVITED

GILL, HERBERT & CO., Ltd.

CUTLERY MANUFACTURERS,
Wheeldon Street, SHEFFIELD

OVER 53% !! This Profit on your outlay is guaranteed to you by
The FLEET Blade



A Sheffield Product from the Molten Steel to the Finished Blade.

Retails at 3 for 7½d.

Liberal trade-making samples given to new stockists.

Bonus offered for Window Displays.

Sample and terms from sole makers:—

DOMINION STEEL CORPORATION, Ltd.
Fleet Works, Queen's Road, SHEFFIELD.

ONE of the FAMILY for whose requirements you must provide



WITH the universal acceptance by dog owners of the timely need of medicines for their dogs—the result of the Bob Martin educative advertising policy—has come an all-the-year-round demand for Bob Martin preparations.

Here is another member in two out of every three families for whose needs you must be ready—or *lose trade*. The habit of buying dog medicines has become as regular as the purchase of medicines and other preparations for every other member of the family. Dog owners have been taught to realise that they must have Bob Martin preparations handy *every day in the year*, and are taking precautions to ensure their dog's well-being by regular purchases.

There is a source of continuous and growing profit for you in stocking and displaying Bob Martin Dog Medicines and other preparations. This year the demand is being fostered by a greater advertising campaign than

ever—placed on a scale never before approached by any Dog Medicine manufacture. Of increasing appeal, too, are the new displays being issued for window or counter display; screens, posters, cartons and showcards bringing sales as never before.

The dog medicine trade in your district—with its growing profits—can be yours if you let the hundreds of dog owners who pass your pharmacy know that you stock Bob Martin preparations. Can you afford to lose this opportunity for bigger sales?



To ensure immediate receipt of the latest Bob Martin Sales Helps, write and ask for your name to be placed on the Bob Martin Display list, when all the new display material will be sent to you direct, immediately it is issued.

BOB MARTIN'S TASTELESS CONDITION POWDERS



BOB MARTIN Ltd. Dog Medicine Manufacturers since 1892, Southport, Eng.

To Progressive Chemists

This is how we help you!

Our Service is second to none—
your enquiries and orders are
handled with care and expeditiously

LABELS

Our labels are being used throughout this country; in fact, throughout the world. Labels for the leading proprietary chemist lines are printed by Waides' because they are right in price and appropriate to purpose.

SHOWCARDS

We manufacture Showcards of every description to suit all requirements, in simple outline or of more elaborate multi-coloured character, and our prices are competitive.

CARTONS & CATALOGUES

that help to sell your goods. Cartons that by their bright attractive colours and shapes draw attention to your goods. Workmanlike and finely printed catalogues that reflect the merit of your products.

WRITE FOR SAMPLES AND QUOTATIONS

THOMAS WAIDE & SONS, LTD.

Chemists' Printers for over 50 Years.

KIRKSTALL ROAD, LEEDS.

Tel. : 22502.

Telegrams : "WAIDE," Leeds

Do not the Public Prefer—

- ★ To buy a BRITISH PRODUCT in these days ?
- ★ To pay 1s. 6d., instead of 2s., for as good an article ?

Don't you Prefer—

- ★ To keep employment in this country ?
- ★ To make an extra 2½d. normal profit when the article costs the public 6d. less and is superior to foreign ?
- ★ To get the same profit on every 8 P.K.L.'s you sell, as you would on a dozen sales of a foreign product ?

Let us all Prefer—

- ★ To change the whole aspect of British Industry by supporting one another. Probably two-thirds of the value of every foreign liniment goes back to its country of origin and thereby has helped to knock us off the Gold Standard and so increase our living cost, without a solitary mitigating advantage. The same amount of money is denied to English workers who would otherwise re-spend it with **our** Mr. Chemist. The profit slips away from our shores untaxed, whilst P.K.L. (merely because it is British, better and cheaper) is taxed (a) at its source ; (b) in its manufacture ; (c) when we have sold it ; and (d) even when the Chemist sends his cheque. It is taxed (e) in our income tax ; (f) in my income tax ; and (g) in your income tax. If we seek to export it, we pay (h) a duty on our printed price list ; (i) a tariff on the article including freight ; and (j) a duty on the showcards or material by which we seek to sell it.

ACCEPT OUR CHEQUE FOR 10'.

With every Six Dozen P.K.L., in return for which we would ask you to give a 14-days' display of

PAIN - KILLING LINIMENT

the non-rubbing Embrocation manufactured wholly in England.

SPLENDID WINDOW DISPLAY—Bonus of 6 Bottles with each 6 doz.

Retail 1/6

Trade per doz. 12/-

AYRTONS

::

LIVERPOOL

Get ready for La-nē-ta's new advertising

*The Packet that
sells itself!*



The demand for Crème La-nē-ta will be greater than ever this season.

All over the country, forceful advertising, and the creme itself have convinced women that no other hair-removing cream is so effective, so economical and so pleasant to use as Crème La-nē-ta, and we are commencing the new season with an advertising campaign on even newer and cleverer lines than before.

Business is certain to boom for you—and us.

Remember the big profits you make on La-nē-ta; 97% on “standard terms” and even more if you sell the 6d. size as well as the 1s. 6d.

Attractive counter cartons and showcards will help you with an already easy selling line.

Order from your Wholesaler to-day.

WHITE'S-TIBO COMPANY LTD.
Audry House, Ely Place, London, E.C.1



M.P.S.



F.B.O.A.



F.S.M.C.

Telephone: 0961 BARNET.

Telegrams: "SCURR, BARNET."

C. A. SCURR

M.P.S., F.S.M.C., F.B.O.A., F.I.O., F.N.A.O., B.Sc., F.C.O.

COMPLETE COURSES OF TUITION *for the*
 QUALIFYING OPTICAL EXAMINATIONS
 for the SIGHT-TESTING DIPLOMAS of the
 Worshipful Company of Spectacle Makers (F.S.M.C.)
 The British Optical Association (F.B.O.A.) :: ::
 And The National Association of Opticians (F.N.A.O.)



F.I.O.



F.C.O.



F.N.A.O.

50, HIGH STREET, BARNET,
 LONDON, N.

OPTICAL QUALIFICATION.

Dear Sir,

Pharmacists who have adopted sight-testing as an adjunct to pharmacy find it an appropriate, interesting and profitable form of practice. The pharmacist, by reason of his scientific and technical training, is peculiarly qualified to learn the principles and apply the technique of sight-testing, and to practise it efficiently alike to his own advantage, and that of the public.

Should you be desirous of acquiring an optical qualification, I could prepare you for any of the examinations described in these pages within a comparatively short while and in the minimum of spare time; moreover, you would find the course of reading very interesting, whilst it would not entail any interference whatever with business. By commencing the course now you would be able to take examination in about six months' time, and an average of about eight or ten hours weekly of your time is all that would be involved. Optical work is now in active operation as an additional N.H.I. benefit; there is plenty of scope in this direction. As a Qualified Optician, you would become registered and placed upon the Panel for Sight-Testing and Optical Treatment work under the National Health Insurance Acts.

If you are interested, kindly write your name upon the form on the back page and post same, when I will be very pleased to send you a syllabus which gives full details of the examinations and my courses of preparation, and any other information you would like.

Yours faithfully,

C. A. Scurr.

The Courses of Tuition

for the Sight-testing Diplomas of **THE SPECTACLE MAKERS' COMPANY (F.S.M.C.)**; **THE BRITISH OPTICAL ASSOCIATION (F.B.O.A.)**; and of **THE NATIONAL ASSOCIATION OF OPTICIANS (F.N.A.O.)** are arranged in an up-to-date and systematic manner, and they are constructed in accordance with the syllabuses of these Optical bodies.

The Courses are specially suited to those Pharmacists who wish to gain a recognised Diploma in Optics without the necessity of giving up business to devote to full-time study. The tuition is **complete** and covers the whole work, both Theoretical and Practical, to meet the requirements of these examinations. Special attention is given to the **Practical Work**, and the notes, etc., provided in the lessons for this portion of the work are uniquely arranged and consist of lucid and detailed instructions for the guidance of the Pharmacist so that he can do same at home really quite easily and without any difficulty whatever.

The **systematic arrangement and lucidity** of the lessons ensures that the study is made as simple as possible.

PERSONAL GUIDANCE and INTEREST are assured to a Pharmacist who takes up the Course.

Supplementary Personal Tuition and Practical Demonstration, Etc.

The Courses as outlined above provide absolutely complete and systematic preparation for the Examinations. To supplement the work by correspondence I am very pleased to see a Pharmacist at any time during the Course to demonstrate practical and other points in preparation for the Examination; this may be done just prior to the Examination and is usually most convenient for Provincial Pharmacists who come to London for Examination. During Examination times and just prior to the commencement of an Examination, I hold classes for the personal demonstration of the practical work of the Examination.

Enrolment and Duration of the Courses.

The Courses are so arranged that a student **may commence at any time**; whilst the duration of the Course is adapted to meet the requirement of each Pharmacist, there being no fixed period; but a Pharmacist usually takes about six months to complete the Course and qualify.

The Examinations.

The **S.M.C. Examination** takes place in London twice yearly, in June and November, and occasionally at Provincial Centres.

The **S.M.C. EXAMINATION** consists of :—

(1) **THE PRELIMINARY Division.**

- (a) **Measurement of Lenses and Prisms upon the Optical Bench.**
- (b) **Viva-voce Examination in General and Practical Optics.**
- (c) **Written Examination in General and Practical Optics.**
- (d) **Neutralisation and Analysis of Lenses, etc.**

(2) **THE SECOND Division.**

- (e) **Measurement by rule of face for Spectacles, etc.**
- (f) **Viva-voce Examination in Visual Optics.**
- (g) **Written Examination in Visual Optics.**
- (h) **Practical Examination in Adaptation of Lenses to correct Errors of Vision.**

(3) **THE SUPPLEMENTAL EXAMINATION IN DISEASES OF THE EYE.**

The **Preliminary Division** may be taken by Candidates over 17 years of age, and the **Second and Third Divisions** may be taken by Candidates at 18 years and over, the Diploma being granted at 21. Candidates who pass in some Sections and fail in others are not required to sit again for the Sections in which they were successful. A Candidate is required to pass Division I before being credited with a pass in Parts 2 or 3.

Candidates may take the Divisions separately, or at one Examination.

Diplomates are registered by the Joint Council of Qualified Opticians (J.C.Q.O.) for the purpose of undertaking sight-testing, dispensing and supply of spectacles and eyeglasses as Optical Benefit under the National Health Insurance Acts and Regulations.

A Diplomat may claim the **Freedom of the City of London.**

Please detach this form, place your name and address upon the other side and send to :—

C. A. SCURR

50, HIGH STREET

BARNET

LONDON, N.

THE N.A.O. EXAMINATION consists of the **First Examination** and **Final Examination** which may be taken together or separately. The **Examination** takes place twice yearly, in January and July, at different Centres (London, Birmingham, Liverpool, etc.).

(1) **THE FIRST EXAMINATION** consists of :—

- (a) **Written Examination in General and Practical Optics and Optical Calculations.**
- (b) **Viva-voce Examination in General and Practical Optics and Optical Calculations.**

(2) **THE FINAL EXAMINATION** consists of :—

- (a) **Written Examination in Visual Optics ; in Anatomy, Physiology, and Diseases of the Eye.**
- (b) **Viva-voce Examination in Visual Optics ; in Anatomy, Physiology, and Diseases of the Eye.**
- (c) **Practical Sight-testing.**
- (d) **Practical Face and Frame Measurements.**
- (e) **Practical Analysing and Marking of Lenses and Prisms.**

Candidates over 40 years of age are exempt from the First Examination.

THE B.O.A. EXAMINATION consists of :

Section I. Frames, Lenses, and Optical Bench.

Section II. Sight-testing ; Viva-voce Physiologic Optics and Diseases of the Eye.

Section III. Written Papers in Theoretical Optics.

The Sections may be taken together or at separate Examinations, at the same inclusive fee. This Examination may be taken by Candidates over 18 years of age, although the certificate is not granted until such Candidate is 21 years of age.

It should be noted that new conditions of entrance to the B.O.A. Examination have been enforced as from 1st January, 1931. A Candidate will be required to have passed a Preliminary Examination of Matriculation standard ; also definite conditions of training in mechanical and technical optics, in addition to clinical experience, will be necessary.

These new conditions only apply to the B.O.A. Examination.

(Upon request an official syllabus of Examination of any of these examining bodies will be sent to any fellow-Pharmacist.)

To C. A. SCURR, 50, HIGH STREET, BARNET, LONDON, N.

Please send me full particulars of your Courses and the Optical Examinations, without obligation.

Name

Address

.....

.....

Low in price.... High in quality.... a new
**NATIONALLY
 ADVERTISED..**
 Lavender Water

73%
**PROFIT ON
 BONUS PARCEL**



FOR ONE WEEK WINDOW SHOW

P.A.T.A.	Sells for	Per doz.	Cost
$\frac{1}{4}$ -doz. 5/- size	15 0	40 0	10 0
$\frac{1}{2}$ -doz. 3/- "	18 0	24 0	12 0
1-doz. 1/9 "	21 0	14 0	14 0
2-doz. 1/- "	24 0	8 0	16 0
	78 0		52 0
BONUS			
2-doz. 6d.			
Trial Size	12 0	4 6	FREE
Realisation	90 0	Investment	52 0

Profit on cost 38/- . . 73%

Cash discount $2\frac{1}{2}\%$ — 10 days, net one month.

Attractive display material free. Carriage Paid.

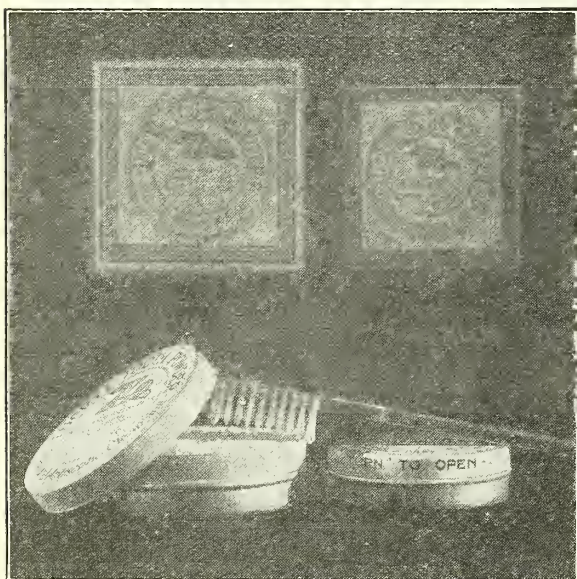
... here's just the quick-selling, moderate-priced line you want for the Christmas trade. Attractively presented, its generous - sized modern flacons will make an instant appeal. Remember that 'Queen Anne' will be consistently advertised in the national newspapers and take advantage of this wonderful opening Bonus offer — it is available for a few days only.

Queen Anne
LAVENDER WATER

Order Bonus Parcel D through your usual wholesaler or direct from the manufacturers, Marlborough & Co., Ltd., 491-493 Liverpool Road, London, N.7.



Eucryl



Eucryl for you

The Dentifrice that leads to Larger Profits

Ensure for yourself the benefit of the generous terms that the Makers offer by keeping a plentiful stock of all Eucryl Products—Products that have been in continuous demand for over 30 years

Buy on Window display Terms and 30 days' credit and get—

PROFIT ON SELLING PRICE 43%

PROFIT ON BUYING PRICE 75%

Buy on Window Display Terms and send Cash with Order and get—

PROFIT ON SELLING PRICE 46.6%

PROFIT ON BUYING PRICE 87.5%

EUCRYL

DENTIFRICES

Send coupon below for illustrated price list and details of Eucryl Bonus Terms and ask for new Window Display Material

NAME _____

ADDRESS _____

C.D.I.

EUCRYL LIMITED, SOUTHAMPTON

GIVES INSPIRATION TO THE BATHROOM BARITONE

Lillicrap's Hone



SAFE TO STOCK

EASY TO SELL

SURE TO PLEASE

for Safety Razor Blades

(R.I. No. 755 950.
Pat. No. 345 057.)

Made in Uranium Glass with a specially prepared surface.
Patented throughout the world.

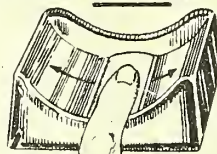


Lillicrap's Hone embodies a scientific principle. Like many of the inventions which have been great boons, it is simple in the extreme but is perfectly effective.

The demand is universal.
Participate in the Sales.

Hundreds of Shaves from One Blade

TRADE PRICE
8/- PER DOZEN



Packed in attractive Show Cartons holding one dozen. Order through your wholesaler.

Made, packed and sold wholesale for the Patentee by

1/- each.
WOOD BROS. GLASS CO. LTD.
BARNSELY, ENGLAND.
EST. 1828.

All for  Beauty



A cordial Invitation to share our great success!

It says much for Harriet Hubbard Ayer Beauty Preparations that they have only taken three years to win the favour of an ever-growing number of discriminating British women—to be stocked by nearly every important retailer in the country.

The amazing popularity of Harriet Hubbard Ayer is based upon real satisfaction. Every woman who uses these creams and lotions—even for a very short time—sees an encouraging improvement in her looks. And she finds them economical, for each preparation fulfils more than one function—the favourite, LUXURIA, for instance, combines the virtues of a cleanser, a skin food and a bleacher.

Dignified advertising in the national press and fashion periodicals has familiarised women with the simple Harriet Hubbard Ayer home beauty treatment. It has sustained and increased demand.

Now—at this moment of our established success—you will be wise to link your business with Harriet Hubbard Ayer. We invite you cordially to join us!

Write to Harriet Hubbard Ayer Ltd., 130 Regent Street, W.1, for catalogue and terms. Or, we shall be delighted to show you round our new showrooms and give you particulars personally.

The retail prices for the famous LUXURIA Cream are 2/3, 4/6, 8/6, 11/9.

Skin & Tissue Builder 4/6, 7/6, 18/9, 30/-

Beautifying Face Cream 4/6, 7/6, 18/9, 30/-

Eau de Beauté 4/6, 8/-

HARRIET HUBBARD AYER

Beauty Preparations

LTD.

PARIS

LONDON

NEW YORK



The Brushes are made in nine models, retailing from 3/6 to 18/6, all subject to generous discounts giving you a substantial living profit. Can be supplied through your usual wholesaler.

THE "MASON PEARSON" is the only PERFECT Hair-brush made and sold to-day; the reason being that the only perfect hair-brushing material—the black unbleached bristle of the Wild Boar—is used in its making.

There is no disputing the fact that the "MASON PEARSON" brushes much more quickly than ANY OTHER brush; it brushes more efficiently; it cleanses the scalp more gently and thoroughly; it improves the general attractiveness of the Hair, and keeps it at its best. No hair-brush can do more than this.

By selling the "MASON PEARSON" Hair-Brush you enhance your own professional reputation through its good qualities.

MASON PEARSON HAIR-BRUSH

MASON PEARSON SELLING AGENCY LTD.

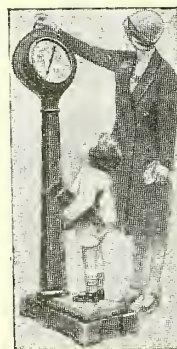
59 NEW OXFORD STREET, LONDON, W.C.1

G. B. KENT & SONS, LTD.

Are known the World over as the Largest Manufacturers of

BEST BRITISH BRUSHES

Please write for full Particulars to :
75 FARRINGDON ROAD, E.C.1.



Let the "GEM" make money for you

Write for particulars and name of local agent to the manufacturers :—

THE GEM
AUTOMATIC WEIGHING
MACHINE COMPANY
LIMITED

46 NEW CITY ROAD
GLASGOW C.4

THE WORLD'S FINEST RAZOR BLADE

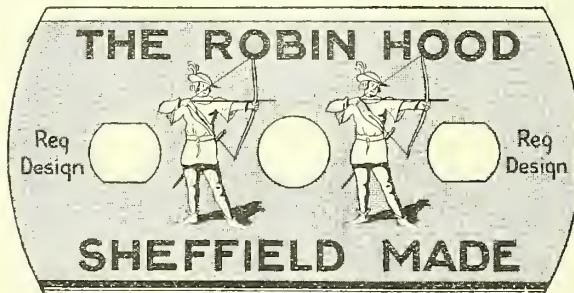
"THE BEST OF THE LOT"

The Edge of every Blade Guaranteed

It Sells Itself.

High Class Display Cards

In Demand Everywhere



"The Blade with 100 Shaves"

Retails at

1 ¹/₂ d. each
or 4 for 6d.

Exceptional Profits

Made by
BROOKS, HAYWOOD
& CO., LTD.,
Shiloh Works, Sheffield
England.

PROFIT

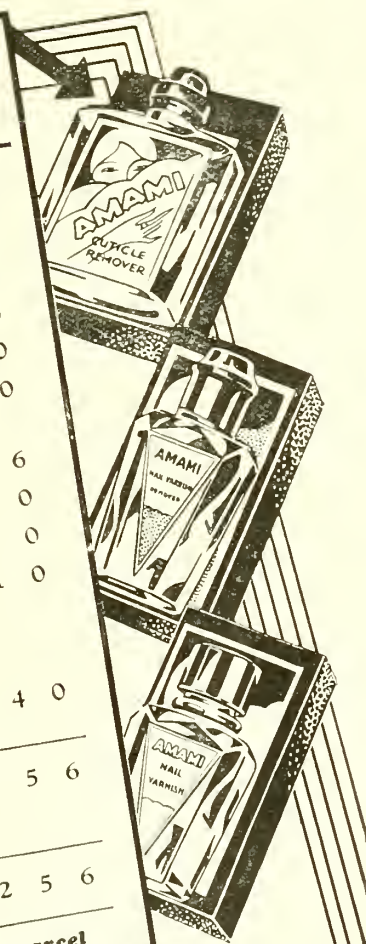
AMAMI XMAS MANICURE BONUS OFFER

(Oct 15TH to Nov 15TH)

THREE NEW 6d. LINES included in this BONUS PARCEL

	Cost Price.	Selling Price.
2 dozen 6d. Miniature Manicure Sets	8 0	12 0
1/2 dozen 1/9 Manicure Sets	7 0	10 6
1/12 dozen 3/6 Manicure Sets	2 4	3 6
1 dozen 6d. Nail Stones	4 0	6 0
1/2 dozen 6d. Nail Varnish	2 0	3 0
1/4 dozen 6d. Nail Varnish Remover	1 0	1 6
1/2 dozen 6d. Cuticle Fluid	2 0	3 0
1/12 dozen 1/- Cuticle Cream	8	1 0
1/12 dozen 1/- Hand Cream	8	1 0
8/12 dozen 6d. Nail Varnish	£1 7 8	4 0
Less 10% 30 Days	FREE	
NETT PROFIT	£1 7 8	£2 5 6
	2 9	
	£1 4 11	£2 5 6

Attractive Showcards are included in each parcel



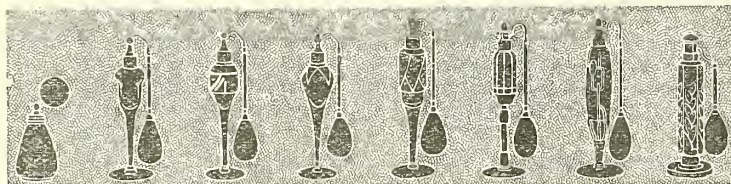
... **BUY BRITISH!**

Here are three wonderful new Amami Manicure lines—6d. NAIL VARNISH, 6d. NAIL VARNISH REMOVER, 6d. CUTICLE FLUID—all included in a generous Bonus Offer. Don't miss your parcel—the offer is only open October 15th to November 15th.

AMAMI MANICURE

Order from your usual wholesaler or direct from Prichard & Constance (Mfg.) Ltd., 11, Broad Street, London, W.C.2.

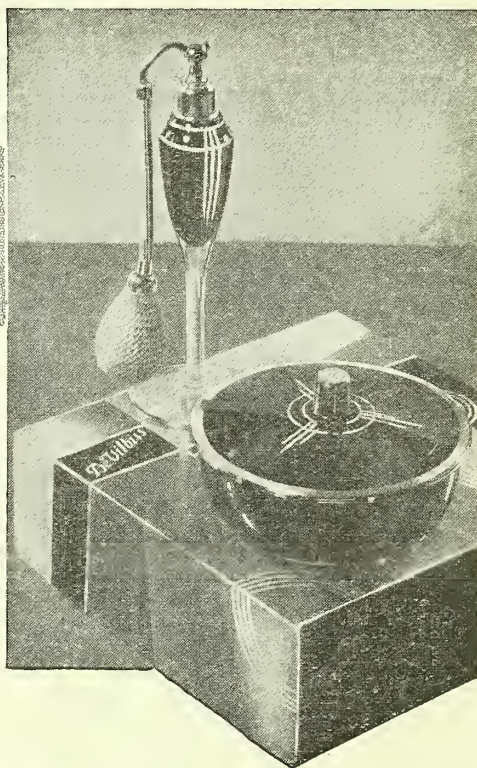
DeVilbiss



Perfume Sprays

For your Christmas displays you cannot do without a good range of DeVilbiss Perfume Sprays. They sell on sight—in colour, design and finish they are unrivalled—and the profit to the retailer is generous. The complete DeVilbiss line includes models for every purse.

Write for fully illustrated catalogue and order your supplies before the rush sets in.



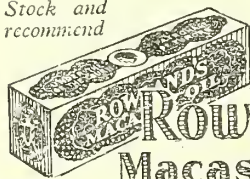
Sole Distributors in the United Kingdom:
AEROGRAPH CO. LTD., 43 Holborn Viaduct,
London, E.C.1.

CVS—28

Selling Suggestions

Rowland's Macassar Oil keeps the hair naturally immaculate, for it controls the hair simply by making it soft and flexible.

Stock and
recommend



J. H. & Co.

Of all Wholesalers,
to retail at 3/6,
7/- and 10/6.

**Rowland's
Macassar Oil**

A. ROWLAND & SONS, Ltd., 22 Laystall St.,
Rosebery Avenue, London, E.C.1

Dorin Rouge Brunette also LIPSTICK 719

are advertised in *Daily Mail*

SAMPLES ARE BEING SENT
WATCH YOUR STOCK

**DORIN, 8 Roxburghe House
273 REGENT STREET, W.1**

JACKEL'S

OILAFIX

Here is a new composition—quite apart from Jackel's Original Hair Cream, and not a competitor—specially prepared to meet an actual demand for an oily preparation.

Already Oilafix has made a hit and we recommend you to stock it, together with the Original Jackel's Hair Cream.

OILAFIX

Trade Terms:

12 - per doz., retailing at 1/6 per bott.

28 - per doz., retailing at 2/6 per bott.

JACKEL'S HAIR CREAM

11/6 per doz., retailing at 1/6 per bott.

18 - per doz., retailing at 2/6 per bott.

**JACKEL et CIE (of Paris) Ltd.
GLASGOW, C.2**

London Agent: THE PHIL-SANO Co. Ltd., Craven
House, Kingsway, W.C.2



RODGERS QUALITY —and the lowest price in Sheffield!

Rodgers Scissors have always sold on quality, now they sell on price as well. The card illustrated costs you 6/6 and the scissors sell at prices ranging from 1/4 to 2/2, showing you a net profit of 3/3 per card. Buy British and help to reduce unemployment and taxation.

Order Card No. E 7174/C.D., and see how the scissors sell themselves.
Joseph Rodgers & Sons, Ltd.
Cutlery to His Majesty,
SHEFFIELD.

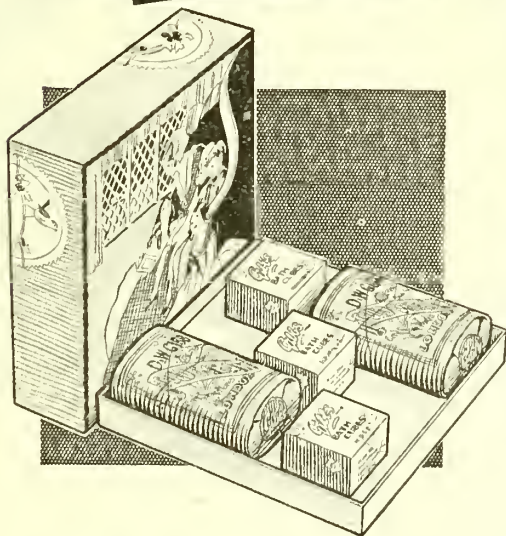


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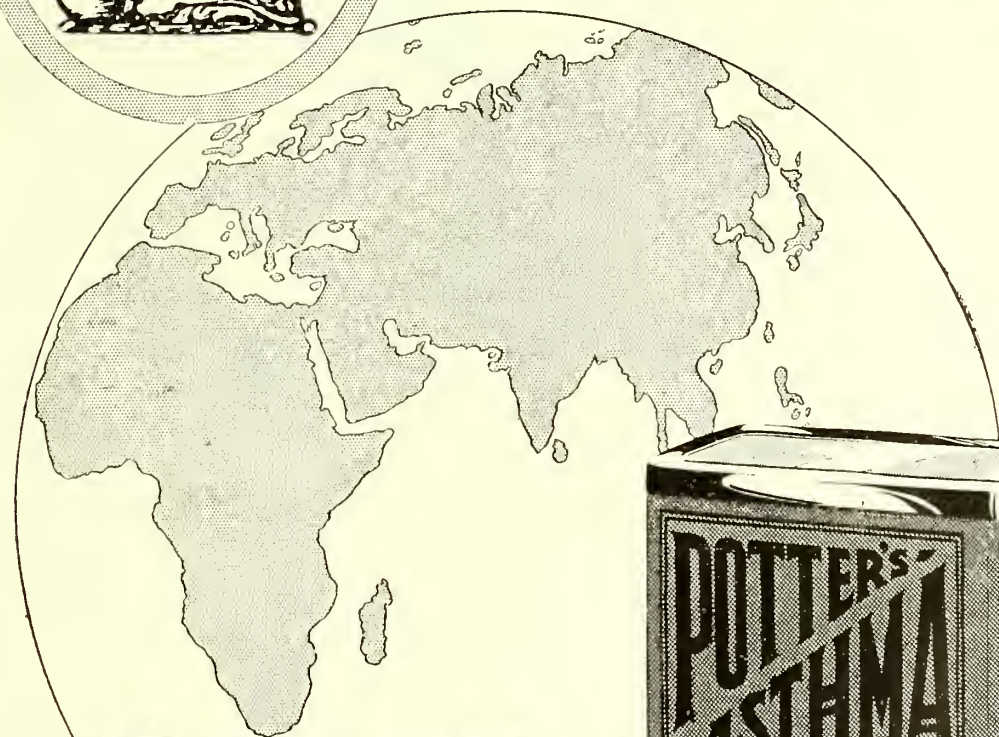
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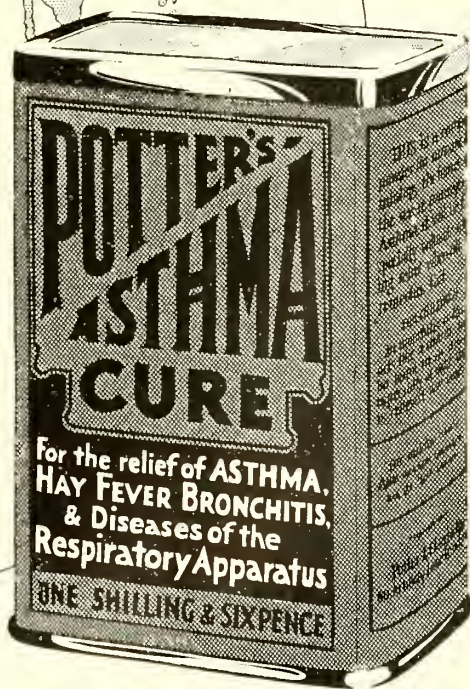
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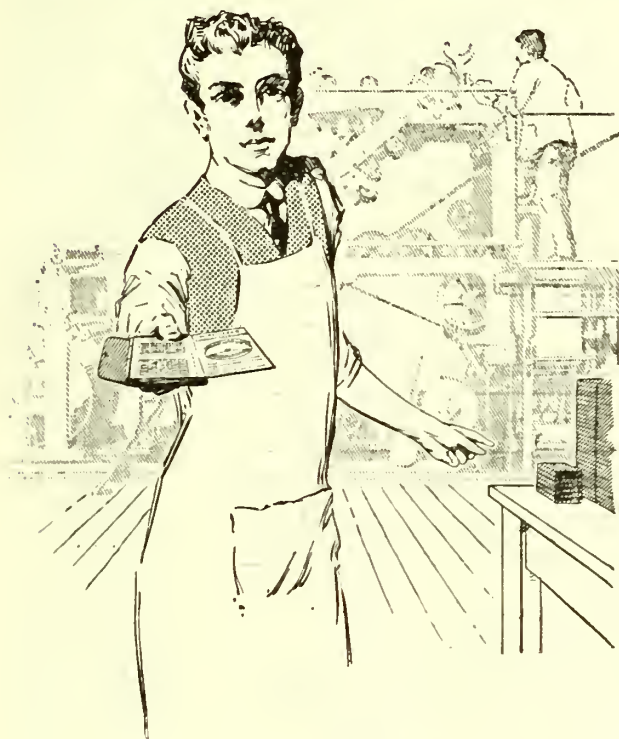
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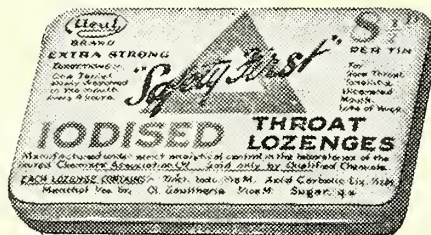
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A Weekly Journal of Pharmacy, the Drug, Chemical and Allied Trades

*The official organ of The Pharmaceutical Society of Ireland,
The Chemists' and Druggists' Society of Ireland, and of
other Chemists' Societies in Overseas Dominions*

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VOL. 115. NO. 2696

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News of the Week

Dangerous Drugs Acts, 1920-25

WITHDRAWAL OF AUTHORITY: GEORGE EDWARD FERGUSON

The Home Secretary gives notice that he has withdrawn from George Edward Ferguson, M.R.C.S., L.R.C.P., Ash Vale, near Aldershot, the authority granted by the Regulations made under the Dangerous Drugs Act, 1920, to duly qualified medical practitioners to be in possession of and supply raw opium, coca leaves and Indian hemp, and the drugs and preparations to which Part III of the Act applies, and has also directed that it shall not be lawful for the said George Edward Ferguson to give prescriptions for the purposes of the Dangerous Drugs (Consolidation) Regulations, 1928. . . . Whitehall, October 5, 1931.

Contracts with Foreign Suppliers

A special meeting of the Executive Council of the British Chemical and Dyestuffs Traders' Association was held on Tuesday to consider the difficulties experienced by members through the depreciation of the pound sterling. After the situation had been reviewed from every aspect, the following resolution was passed:—

"It is the unanimous opinion of this Council that all contracts, whether in sterling or in foreign currency, made previous to the suspension of the gold standard, must be fulfilled."

Members of the Association are invited to give the secretary the names of any foreign suppliers refusing to meet their obligations owing to the depreciation in British currency.

Barking Industrial Exhibition

An industrial exhibition, organised in connection with the grant of a charter of incorporation to the borough of Barking, opened at the New Exhibition Hall, Longbridge Road, on October 1, and closes on October 10.

The official ceremony of opening was performed by H.R.H. Prince George on October 5. Stands of interest to the drug trade are not numerous, but those of the following may be mentioned:—THE CHEMICAL SUPPLY CO., LTD.; THE FURMOTO CHEMICAL CO., LTD. (polishes); HOWARDS & SONS, LTD.; LAWES CHEMICAL MANURE CO., LTD.; J. L. ROSE, LTD. (pyrogallol acid, etc.); WILLIAM WARNE & Co., LTD. (rubber cushions, etc.).

Manchester

The numerous friends of Mr. J. S. Breese, Ph.C., vice-president of the Manchester Pharmaceutical Association and captain of the Manchester Pharmacists' Golfing Society, who has been seriously ill for some time past, will be pleased to learn that his health has considerably improved during the last few days, and it is now hoped his progress will be more rapid.

A meeting of members of the National Association of Women Pharmacists was held at Manchester on September 30. Miss E. Hodgkinson (secretary of the National Association) was present, and Miss I. Roberts took the chair. A local branch of the N.A.W.P. was inaugurated, to be called the Manchester and District Branch; the proposed activities of the organisation were discussed, and the following members were elected to form a committee:—Misses Cuthbertson, Duncan (secretary), Jackson, Roberts and Robinson.

The second annual reunion of past students of pharmacy of the University of Manchester is to take the form of a dance, to be held at the Women's Union, Lime Grove, Oxford Road, on October 28, from 8 p.m. till 12. Card tables will be provided for those who do not dance. Tickets, 7s. 6d. double 4s. single, may be obtained from the secretary, Miss J. Duncan, Manchester University, or from any member of the committee. It is hoped that early application will be made for tickets so as to facilitate the making of the arrangements.

The first dance of the season of the Manchester, Salford and District Branch of the Pharmaceutical Society (Junior Section) will be held at the Piccadilly Cinema Restaurant on October 14, commencing at 8 p.m. The prizes and trophies in connection with the tennis club will be presented during the evening, including the Woolley cup and the Cupal cup. A good attendance is desired by all who have worked so hard to make the dance a success, not for financial reasons but to help to establish a closer fellowship between pharmacists in all spheres. Tickets are 3s. 6d. each (inclusive), and may be obtained from Mr. R. B. Maskell, 240 Moor Lane, Kersal, or at the door on the night of the dance.

Miscellaneous

NATIONAL ASSOCIATION OF WOMEN PHARMACISTS.—The whist drive arranged for October 8 was cancelled on account of the political situation.

WINDOW-DISPLAY AWARDS.—In connection with the shopping festival recently held at Bolton, the winners of awards included the following chemists:—Mr. S. Haywood, chemist and druggist; Waller & Riley, Ltd.

PROMOTION OF INDUSTRIES.—The London Chamber of Commerce is anxious to obtain information in regard to available factories and factory sites throughout Great Britain. Particulars should be sent to the Principal, Publicity Department, London Chamber of Commerce (Incorporated), 97 Cannon Street, London, E.C.4.

METHYLATED SPIRIT SOLD FROM A VAN.—At Leominster, recently, Goldings Stores, Ltd., and Leonard Humphreys, their employee, were summoned for selling methylated spirit without a licence. It was stated for the prosecution that Goldings Stores held a licence in respect of premises at Ludlow. Evidence of purchase from a van having been given, Goldings Stores were fined £7 10s. and Humphreys £1.

BEST-DRESSED WINDOW.—At a window-dressing competition held at Eastleigh, the first prize, together with a silver challenge cup, for the best-dressed window in the town, was awarded to Mr. Idwal Rees, chemist and druggist, High Street.—In the Witton and King Street section of the Blackburn Chamber of Trade shopping festival, Mr. J. Gillett, chemist and druggist, was awarded a special diploma for an effective window display.

REPORT ON SHEEP DIPS.—It was reported to the Devon County Council, at its meeting on September 24, that of forty-eight arsenical sheep dips which had been analysed, four were found to be seriously deficient and twelve slightly deficient. The chairman of the reporting committee mentioned that the deficiency was in the strength of the dip as mixed, not in the chemicals. It was pointed out that during the last two years a certain number of new dips had come on the market which were causing discoloration of wool.

MEDICINE STAMP ACTS.—At Haslingden Police Court, on October 5, Ernest Johnson, Norden, was summoned for having sold "iodine" not duly stamped and without holding a licence. Mr. B. M. Stephenson, prosecuting for the Board of Customs and Excise, said that delay occurred in bringing the case because the defendant gave a false address. Mr. Stephenson said the iodine was sold as medicine, and added: "If he sold plain water as medicine he would still be liable." The defendant said he was out of work, and did this to keep off the dole. The Bench imposed a fine of 40s. in the first case, and one of 20s. in the second.

Irish Notes

Pharmaceutical Society of Ireland

The result of the ballot for the election of seven members to the Council of the Pharmaceutical Society of Ireland was declared at the annual meeting held at 67 Lower Mount Street, Dublin, on October 5. The seven members of the Council retiring by rotation were Messrs. Philip Brady, Joseph Gorry, Wm. P. J. Gannon, Patrick David Larkin, John Joseph Roche, John Smith and Dr. Michael Ryan. All, with the exception of Mr.

John Smith, sought re-election. There were nine new candidates. The result of the poll was as follows:—

W. J. McKnight (Longford)	229	J. Gorry (Naas)	150
J. A. O'Rourke (Dun Laoghaire)	223	T. Toher (Sligo)	134
M. J. Parkes (Blackrock)	212	P. Brady (Dublin)	129
J. Gleeson (Dublin)	196	F. J. Barragry (Dublin)	121
J. T. Dwyer (Dublin)	186	J. J. Roche (Dublin)	106
C. J. Cremen (Dublin)	186	P. D. Larkin (Drogheda)	102
E. Ronaghan (Dublin)	160	W. P. J. Gannon (Maryborough)	88
		M. Ryan (Dublin)	79

The president (Mr. Denis J. Nugent) declared the first seven elected. The president then delivered his address and several notices of motion were discussed.

Pharmaceutical Society of Northern Ireland

The result of the election to the Council of the Pharmaceutical Society of Northern Ireland was announced in Belfast on October 5 as follows:—

S. S. Badger, Magherafelt	262	G. W. T. McCann, Portrush	236
S. H. Forrest, Bangor	262	H. Todd, J.P., Belfast	212
		H. McRoberts, Belfast	148

The first four were declared elected. Messrs. Forrest and McCann are new members, taking the place of Mr. H. Lancashire (Ballymena), who did not offer himself for re-election, and Mr. McRoberts. Mr. Badger is the president of the Society. Mr. J. F. Grimes (Pomeroy) was returned unopposed in the druggist section; 440 papers were sent out and 347 were returned. There were eight spoiled papers, seven invalid papers, and five were sent in too late. The scrutineers were Messrs. W. J. Hardy and Fred Storey.

Brevities

In a recent window-dressing competition at Fivemiletown, the prize-winners included Mr. S. Gamble, Ph.C.

Mr. L. P. J. Daly, Ph.C., Castlederg, co. Derry, has installed a large clock in front of his premises, as there is no official town clock.

Mr. J. O'Connor, assistant in the pharmacy of Mr. A. L. Casey, Ph.C., Lisnaskea, was severely injured in a motor-car accident near Enniskillen on September 26. He was removed to Enniskillen Infirmary.

Regarding a resolution adopted at a meeting of the Derry County Agricultural Committee recently, concerning the scarcity of sulphate of copper early in the spraying season, the Ministry's inspector said the conditions at the time mentioned were absolutely abnormal. He was informed that the position was not likely to arise again.

Belfast

At Belfast Police Court, recently, Samuel Donaghy, Kilburn Street, was fined £10 for practising dentistry without being registered. Donaghy, who pleaded "Guilty" to the four charges preferred against him, said that he had served with His Majesty's Forces from 1914 until 1919, and owing to the effects of wounds received he was unable to apply for registration within the requisite period after the passing of the Act of 1921. The magistrate said he could find no reason why the defendant had not applied for registration within the prescribed time, and warned him that if he broke his undertaking not to practise dentistry unless he was registered, a prohibitive fine would be imposed.

The premises occupied by I. W. Nicholl, Ltd., chemists, High Street, have been modernised by the introduction of the newest style of shop front. The late Mr. I. W. Nicholl commenced business in the premises in May 1881. In 1918 the firm was converted into a limited company. The shop front is in the arcade style. The plinths are executed in emerald-green pearl granite, while the upper portion is finished in Roman stone, having a stepped pediment. The windows are artistically finished with bronze sashes formed in octagonal corners. The window bottoms are covered with oak parquetry work.

Scottish Notes

Brevities

"Ca canny" is the policy being adopted by most chemists in the buying of drugs. It is realised that panic buying would only force up prices needlessly.

Mr. A. T. Reoch, chemist and druggist, Dundee, had two windows in his pharmacy at 52 Brook Street broken during the recent demonstrations by the unemployed.

At a meeting of the Scottish Distributive Trades' Federation held on September 30, it was unanimously agreed to send a resolution to the Government expressing the conviction that the system of selling goods for coupons is a wasteful, inefficient method of business, that it is the lowest kind of salesmanship the world has yet known, is inimical to the industrial and commercial interests of the country, and is objectionable from every point of view, and calling upon the Government to introduce legislation prohibiting the coupon system of trading.

At the recent fortnightly lunch of the Edinburgh Soroptomist Club (a women's society, corresponding to the Rotary Club) the address was given by Miss Isabella A. Purdie, Ph.C., on "Women in Pharmacy." Miss Purdie said pharmaceutical work was not monotonous; it was very fascinating, and dispensing was a source of endless interest. Concentration on the work in hand was absolutely essential. If they showed themselves sufficiently keen and interested in their work

women might rise to hold very responsible positions. In every branch of pharmacy it was necessary to keep abreast of pharmaceutical literature and keep informed as to the trend of modern medicine. In Scotland there were about fifty-four women pharmacists in business on their own account, and women constituted about 13 per cent. of the members of the Pharmaceutical Society in Scotland.

Glasgow

Considerable damage was caused by a fire recently in the premises occupied by Mr. L. Robinson, chemist and druggist, 153 Dalmarnock Road, Glasgow.

An Ideal Home Exhibition, organised by the "Daily Mail," has been opened in the Kelvin Hall. There are many exhibits of interest to chemists. The exhibition closes on October 24.

A link with Lister is severed by the death, at Stirling, of Dr. J. G. Leitch, who was eighty-six years of age. Dr. Leitch was a dresser in Glasgow Royal Infirmary prior to taking his M.D. degree in 1866.

At Glasgow Central Police Court, on October 2, Mr. John A. Fraser, chemist and druggist, Eglinton Street, was fined £3 for having dispensed a mixture stated to show a deficiency of 40 per cent. in one ingredient.

Several chemists had their shop windows broken as a result of the rioting which occurred on September 30. On October 1 rioting again broke out, and more shop windows were smashed than on the previous night. The windows were boarded up almost as soon as they were smashed.

Topical Reflections

By Xrayser

Economy

can be overdone, and I am glad to see your warning that economy as now being preached will neither revive industry and increase the circulation of money, nor help to adjust the adverse trade balance which is the immediate cause of our present troubles (*C. & D.*, October 3, p. 427). I welcome your advocacy of a policy of active selling at the keenest prices, and trust your readers generally will set the example of doing all they can to encourage the circulation of money. We should not refrain from purchasing anything that is necessary provided ready money is available, and it is even worthy of consideration whether expenditure on non-essentials should be reduced to such an extreme point as some people seem to think desirable. One hears of dinners and other social gatherings being cancelled because national economy is called for, but the reason given is not a satisfactory one. It is not in the interests of national economy that individuals should refrain from spending money they can well afford to spend in amusements and social gatherings, because such abstention can only have a harmful effect if widespread. The inevitable result of acting upon a distorted view of the situation as is manifesting itself in some quarters must be to reduce other peoples' profits and ability to share in the payment of taxes, while increasing unemployment. This is altogether wrong and is bound to react upon the unwise economisers if their number should become considerable.

Irish Affairs

have been prominent in recent issues of the *C. & D.*, and it is all to the good that British pharmacists should be furnished with trustworthy information concerning their Irish colleagues. It is one of the curiosities of bodies with democratic constitutions that change in their executives is continually being

clamoured for, and newly elected representatives regularly become tarred with the same brush of inefficiency as soon as they have become somewhat acquainted with the routine work of their position. Human nature being as it is, rationalisation of the views of recently elected representatives—as they gain in experience of facts, means and ways—is all too frequently described as an indication of their being "nobbled," or brought under the influence of older representatives. This and other foregoing statements must not be regarded as having any particular bearing upon the election in the Irish Free State; but, whatever happens, Irish pharmacists will always have the good will of their brethren in Great Britain.

The Accounts

in last week's *C. & D.* of visits paid by the South-East London Chemists' Association and the West Middlesex Pharmaceutical Association to the factories of well-known companies emphasise a practice which is growing rapidly and is not generally commented upon in the pharmaceutical Press. Time was when the factories of firms supplying the drug trade were closed to pharmacists, the manufacturing processes carried on being regarded as strictly private, to use no stronger expression. This attitude has disappeared, and there are few of the big manufacturing pharmaceutical houses to-day that do not welcome parties of pharmacists several times a year. The parties are usually entertained by the management, and a very pleasant hour is spent over the teacups. Such gatherings are productive of much goodwill between maker and seller; the former has an opportunity of meeting customers and getting ideas of their particular requirements, the latter absorbs a good deal of information which is very useful in selling goods. British manufacturers have this advantage over competitors overseas, and the advantage should be of increased value to-day.

September Drug Tariff

THE following are the chief alterations for September in the Insurance Drug Tariff for England and Wales:—

Lower.—Acid. acetic, 7d. lb.; acid. acetic. dil., 5d. lb.; acid. boric. cryst., 7d. lb.; acid. boric. pulv., 7½d. lb.; ammon. brom., 2s. 7d. lb.; dec. sarsæ jam. co. conc., 5s. 6d. lb.; dec. senegæ conc., 3s. 9d. lb.; dec. senegæ ex conc., 5d. lb.; ext. opii liq., 3s. 9d. lb.; ext. opii sicc., 4s. 3d. oz.; ext. seneg. liq., 9s. lb.; glycerinum, 1s. 2d. lb.; inf. senegæ conc., 2s. 10d. lb.; lin. camph., 1s. 8d. lb.; lin. opii meth., 2s. 10d. lb.; lin. pot iod. c. sap., 4s. 9d. lb.; liq. opii sed., 5s. 3d. lb.; lithii cit., 10d. oz.; opium pulv., 2s. oz.; paraff. dur., 8d. lb.; pot. brom., 2s. 2d. lb.; pot. tart. acid., 1s. 3d. lb.; pulv. ipecac. co., 5s. 9d. lb.; salicin., 2s. 3d. oz.; sodii brom., 2s. 6d. lb.; tr. benzoini co., 5s. 4d. lb.; tr. iodi mit., 5s. 9d. lb.; tr. opii, 5s. 3d. lb.; tr. opii ammon., 5s. 6d. lb.; ung. ac. salicyl., 1s. 9d. lb.; ung. gallæ c. opio, 4s. lb.; ung. hyd. subchlor., 4s. 9d. lb.; ung. plumbi subacet., 1s. 10d. lb. Bandages: Calico, bleached, 2 in. by 4 yds., 1.5d.; 2½ in. by 4 yds., 1.9d.; 3 in. by 4 yds., 2.2d.; calico, unbleached, 2 in. by 4 yds., 1.4d.; 2½ in. by 4 yds., 1.7d.; 3 in. by 4 yds., 2.0d.; domette, 2½ in. by 6 yds., 6.0d.; 3 in. by 6 yds., 7.5d.; elastic web, 2½ in., 6.0d.; 3 in., 6.7d.; flannel, 2½ in. by 4 yds., 7.8d.; 3 in. by 6 yds., 13.0d.; open weave, 1½ in. by 4 yds., .6d.; 2 in. by 4 yds., .8d.; 2½ in. by 4 yds., .9d.; 3 in. by 4 yds., 1.1d.; 4 in. by 6 yds., 2.0d.; 6 in. by 6 yds., 3.0d.; triangular, 3.3d. Cotton-wool, 1 oz., 1.3d.; 2 oz., 2.1d.; 3 oz., 3.0d.; 4 oz., 3.8d.; 6 oz., 5.3d.; 8 oz., 6.8d.; 1 lb., 13.0d. Gauzes: Boric acid, ¼ sq. yd., .6d.; ½ sq. yd., 1.0d.; carbolic acid, ¼ sq. yd., .6d.; ½ sq. yd., 1.0d.; double cyanide, ¼ sq. yd., 7d. Gauze and cotton tissue, 1 oz., 1.6d.; 2 oz., 2.6d.; 4 oz., 4.8d.; 8 oz., 8.8d.; 1 lb., 17.0d. Ice bags, 22.5d. Lints: Boric acid, 1 oz., 1.4d., 2 oz., 2.5d.; 3 oz., 3.5d.; 4 oz., 4.3d.; 6 oz., 6.3d.; 8 oz., 8.0d.; 1 lb., 15.0d.; unmedicated, 1 oz., 1.7d.; 2 oz., 3.0d.; 3 oz., 4.3d.; 4 oz., 5.3d.; 6 oz., 7.8d.; 8 oz., 10.0d.; 1 lb., 18.5d. Standard dressings: No. 1, 2.1d.; No. 2, 3.4d. Carbolised tow, 1 lb., 9.5d.

Higher.—Caffeina, 1.2d. oz.; guaiacol carbonas, 11d. oz.; guaiacol liq., 1s. 1d. oz.; lithii carb., 9d. oz. Carbolised tow, 8 oz., 5.2d.

Sporting Events

THE competition for the cup presented by Francis Newbery & Sons, Ltd., to the Cardiff Pharmacists' Golf Club was played off at Cardiff on September 30, the leading scores being as follows:—

Miss M. Murray	90—19=71	Mr. R. H. Nix	78—3=75
Mr. T. J. Fowler	91—18=73	Mr. J. Murray	87—12=75
Mr. G. Thomas	87—13=74	Mr. E. G. Howell	100—25=75

Mr. Loyley (of Messrs. Newbery), after congratulating the winner on her score, called upon Mrs. Murray to present the cup to her daughter.

THE London Chemists' Golfing Society held a meeting at the Crews Hill Golf Club recently to compete for the Kerfoot trophy and the Society's prize. Thirty-six members played, which is a record number for the season. The leading scores were:—

R. Colling	89—18=71	H. Culmer	88—14=74
F. G. Cossor	85—12=73	W. Gray	85—11=74
F. J. Bolton	74—1=73	D. J. Parry	89—13=76

R. Colling was awarded the Kerfoot trophy and F. J. Bolton took the Society's prize.—A team of members chosen by the president (Mr. D. J. Parry) competed with one chosen by the captain (Mr. P. O. Royle) at Farnham on September 27, the former winning by ten matches to six. The prize, presented by Messrs. A. Cox & Co., Ltd., was won after replay by H. Mountford.

THE last meeting of the season in connection with the Manchester and District Pharmaceutical Golfing Society was held at Northenden Golf Course on September 30. The match was between the Captain's team and the President's team. The Captain's side, composed of Messrs. Miller, Cromack, Barnes, Bostock, Collins and Gardiner, won five games to two, against Messrs. Sturdy, Travis, Stuart, Fox, Aves, Maude and Woodhead. Afterwards the party, presided over by the president (Mr. J. H. Franklin), sat down to supper. The president said they were gathered together that evening at the close of their session under somewhat of a cloud owing to the serious illness of their highly-esteemed and popular captain, Mr. J. S. Breese, who some time ago underwent an operation, and was still very ill. He was sure they would all wish for his speedy recovery. Mr. Franklin went on to say how pleased they all were to see Mr. Cleworth present to present his prize to the competitor who returned the three best medal cards during the season 1931 and who had not won either a first or second prize during 1931. Mr. E. N. Fox, of Bolton, was the fortunate member. Mr. John Cleworth said it gave him the greatest pleasure to attend their meetings and to follow their play. He was particularly pleased that Mr. Fox had won his prize this year, as he had put in some good scores during the year, and had just missed winning a prize each time. Mr. Fox, in thanking Mr. Cleworth, said he hoped they would not think he was boasting when he said that Mr. Cleworth's prize took more winning than any of their other prizes. All their members were grateful to Mr. Cleworth for the sustained interest he took in their Society. Votes of thanks to the secretary and the president brought the meeting to a close.

SORRY HE SPOKE.—The "Yorkshire Observer" reports that the Lord Mayor of Leeds (Dr. A. Hawkyard) has, in consequence of a chance remark at the recent Chemists' Exhibition to the effect that he had taken thousands of tablets, been overwhelmed with letters from people all over the country asking the name of the tablets.

CRYSTALS IN TINNED SALMON.—"The Grocer" reports, in a recent issue, a case in which crystals resembling splinters of glass were found on opening a tin of salmon. The fish was returned to the distributors, who reported that the crystals were probably magnesium ammonium phosphate, a chemical "automatically formed from natural elements in the fish." Although 50,000 such tins had been examined in the laboratory of the firm, such crystals were only found in two instances.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Wednesday, October 14

Birmingham Pharmaceutical Association, Kunzle's Café, Union Street, at 7.15 p.m. Whist drive and dance. Tickets (whist and supper or dance and supper) 3s. 6d. each. Secretary, Mr. D. J. Rushton, 1088 Stratford Road.

York Chemists' Association. Competition at Fulford for the Humphreys golf cup, starting at 2.30 p.m. Secretary, Mr. J. H. Lupton, 15 Bootham.

British Pharmaceutical Association, Oakley House, Bloomsbury Street, London, W.C.1, at 3 p.m. Meeting. All members invited.

Thursday, October 15

Western (London) Pharmacists' Association, Beta Café, 65 Oxford Street, W.1, at 7 for 7.30 p.m. Reception, supper and whist drive. Tickets 5s. each. Social secretary, Mr. Gwilym Thomas, 105a Crawford Street, W.1.

Sheffield Pharmaceutical and Chemical Society, Glossop Road Baths, at 7.30 p.m. Whist drive and dance.

Friday, October 16

South-West London Chemists' Association and Branch of the Pharmaceutical Society, Carpenter's Restaurant, The Pavement, Clapham, S.W.4, at 8.30 p.m. Mr. Arthur Mortimer on "The Future of Pharmacy, with Special Reference to the Chemist in Retail Businesses."

New Companies and Company News

P.C. means Private Company and R.O. Registered Office.

H. K. Ross, LTD. (P.C.).—Capital £200. Objects: To carry on the business of pharmaceutical, consulting, analytical, manufacturing, wholesale and retail chemists, herbalists and druggists, etc. Solicitors: C. G. Macpherson, Midland Bank Chambers, Beacon Hill, Hindhead, Surrey.

WHITSTABLE BOTTLING CO., LTD. (P.C.).—Capital £3,000. Objects: To manufacture aerated and mineral waters; to carry on the business of manufacturing and wholesale chemists, druggists, drysalers, manufacturers of and dealers in syphons, gazogenes, bottles, etc. Solicitors: Wild & Son, 12 High Street, Whitstable.

JAMES ANDERSON (CHEMIST), LTD. (P.C.).—Registered in Edinburgh. Capital £9,000. Objects: To carry on the business of chemists, druggists, dispensers and opticians, etc. The directors are: J. Anderson, "Craigbank," 10 Deedhope Street, Dundee and A. Robertson, 25 Forfar Road, Dundee.

HART & PARTINGTON, LTD. (P.C.).—Capital £10,000. Objects: To acquire the business of manufacturing chemists and drysalers formerly carried on by J. Hart (now deceased) and W. Partington at Cardigan Works, Ratcliffe, Lanes, and to adopt an agreement with Alice Hart and the said W. Partington. Solicitors: Fredk. Howarth, Son & Maitland, Silver Street, Bury.

AJOTAL, LTD. (P.C.).—Capital £3,000. Objects: To carry on the business of soap manufacturers, refiners of all kinds of oils and oleaginous substances, pharmaceutical, manufacturing and general chemists and druggists, manufacturers of and dealers in toilet requisites and boxes and cases, etc. Solicitors: Sutton, Ommanney & Oliver, 7-8 Great Winchester Street, London, E.C.

NESFIELD RETORTS, LTD. (P.C.).—Capital £1,000. Objects: To acquire from Sensible Heat Distillation, Ltd., and A. Nesfield, the benefit of certain existing inventions relating to improvements in retorts for the drying and/or distillation of bituminous and other materials, to acquire any interest in inventions relating to the carbonisation or distillation of bitumen, coal, etc., and to carry on the business of research chemists, chemical manufacturers, etc. R.O.: 15 Eldon Street, E.C.2.

BRITISH CARBIDE FACTORIES, LTD. (P.C.).—Capital £100. Objects: To carry on the industrial, experimental and commercial exploitation of all or any chemical or electro-chemical processes, and also the manufacture and sale of all products and apparatus relating thereto, particularly the manufacture and sale of carbide of calcium and oxygen and similar products, etc., and to carry on the business of manufacturers of and dealers in Tube Turns electro-chemical products and apparatus and of electric and mechanically-operated plant, etc. R.O.: 34 Victoria Street, S.W.1.

SAVORY & MOORE, LTD.—The lists in connection with the issue of £185,000 $7\frac{1}{2}$ per cent. first mortgage debenture stock were closed on Tuesday, October 6, owing to the issue being over-subscribed.

IMPERIAL CHEMICAL INDUSTRIES, LTD.—Interim dividend as at October 15 in respect of the trading year ending December 31 of $1\frac{1}{2}$ per cent. actual on the issued ordinary share capital. This dividend will be payable (less tax at the rate of 5s. in the £) on December 1 to shareholders on the register on October 15. Issued capital is £76,671,829 10s., composed of £22,214,032 7 per cent. preference shares, £43,589,538 ordinary shares and £10,868,259 10s. deferred shares. The interim dividend of $1\frac{1}{2}$ per cent. on the ordinary shares amounts to £653,843.

Bankruptcy Reports

Thomas Ifor Roberts, 17 Bridge Road, Blundellsands, Lancashire, chemist. The following are creditors: G. H. Cole, £83; Evans Sons Lescher & Webb, Ltd., £41; J. Thompson (Wholesale Druggists), Ltd., £204; income tax, £18; bankers, £400.

Willie Llewellyn, 44 Dunraven Place, Bridgend, Glamorganshire, lately 68 Nolton Street, Bridgend, chemist and druggist.—The first meeting of creditors was held on October 6, at the Official Receiver's office, Government Buildings, St. Mary's Street, Swansea. The statement of affairs submitted showed gross liabilities of £1,738 3s. 9d., of which £1,681 15s. 3d. was expected to rank, and assets of £93 18s., leaving a deficiency of £1,587 17s. 3d. The debtor attributed his failure to lack of capital, keen competition and loss of connection owing to removal from old trade premises. The case was left in the hands of the Official Receiver as trustee.

Voluntary Liquidation

R. F. MacDonald & Co. (Chemical Manufacturers), Ltd., Manchester.—The statutory meeting of creditors was held on October 2 at the Chartered Accountants' Hall, Spring Gardens, Manchester. The statement of affairs showed ranking liabilities of £3,426 5s. 10d., made up as follows:—Trade creditors, £1,076 5s. 5d.; bankers, £1,764 11s. 11d.; R. F. MacDonald, £288 10s.; unpaid dividend, £4 0s. 8d.; and partly secured creditors, £292 17s. 10d. The total claim of the latter was £615 13s. 7d., but security to the value of £322 15s. 9d. was held. There were also fully secured creditors for £148 17s. 3d. The assets totalled £788 19s. 8d., and consisted of cash in hand, £2 7s. 3d.; cash at bank, £1 15s. 6d.; car, £5; book debts, good £54 16s. 11d., doubtful and bad debts £559 19s. 6d., estimated to produce £150; and surplus from fully secured creditors, £575. After allowing £76 17s. 1d. for preferential claims, the net assets were £712 2s. 7d., or a deficiency of £2,714 3s. 3d. It was reported that the company was registered in 1925, the issued capital being £2,600, of which £1,600 was subscribed for in cash and the balance was allotted in payment of the goodwill acquired. The debenture holders were prepared to waive their claims, and leave the assets for the unsecured creditors. A resolution was passed confirming the voluntary liquidation of the company, with Mr. H. E. Garstang, C.A., of Manchester, as trustee with a committee.

Private Arrangements

Walter Thorley, 586 Old Ford Road, Bow, London, E., chemist and druggist.—At the meeting of the creditors, held recently at the offices of Messrs. Parfitt, Cresswell & Williams, 567 Fulham Road, London, S.W., a statement of affairs was submitted, which showed liabilities of £508 0s. 6d. There were unsecured creditors for £283 0s. 6d., and a partly secured creditor for £675, who held securities valued at £450. In addition the bank were fully secured creditors for £56 2s. 1d. The assets comprised stock at cost £200, estimated to realise £50, and surplus from life policy held by the bank £13 17s. 1d., making a total of £63 17s. 1d., or a deficiency of £444 3s. 5d. It was stated that the partly secured creditor was the vendor of the business. The vendor had received to date repayments totalling £125, and was accordingly shown as a creditor for the balance of £675. The drawings were estimated at about £5 per week. The sales were originally £30 weekly, but they had fallen to £16 or £17 per week. In the absence of any offer it was decided that a letter of authority should be executed to Mr. A. G. White, of Messrs. Francis, Nicholls, White & Co., C.A., of 14 Old Jewry Chambers, London, E.C. Mr. C. B. Yearby and Mr. Parkin S. Booth were appointed to act as a committee of inspection. The following are creditors:—Yearby, C. B., £225; F. Newbery & Sons, Ltd., £86; T. Hodgkinson Prestons & King, Ltd., £65; Sangers, Ltd., £28; The British Drug Houses, Ltd., £14.

Veterinary Notes

Gapes in Chickens

THIS disease, which affects turkeys, pheasants, as well as other birds, is caused by a nematode worm (*Syngamus trachealis*) in the windpipe and bronchial tubes. Treatment of the birds with turpentine and olive oil is sometimes successful, but W. R. G. Atkins, writing in "Nature" (October 3), advocates 2 per cent. solution of carbon tetrachloride in medicinal paraffin. The author states "... In January this year four chickens were hatched out, and all developed gapes when about a month old. Two died, and I started to treat the remaining two cockerels by giving, on three successive nights, about 2 c.c. of carbon tetrachloride solution, administered by means of a pipette with tea. Though one appeared to be very ill at the start, both recovered. Successive outbreaks were similarly treated, fourteen birds in all, with only one death up to about the end of May. The birds were usually a month or six weeks old when attacked. Late in May, however, gapes appeared in two broods, of eight and six, when about a fortnight old. The treatment failed completely, and thirteen died, even though the amount of carbon tetrachloride was increased up to probably about 5 per cent. One pullet, however, never contracted gapes, though she must have been as heavily infected as the others. This bird is still alive, and might form the starting point of an immune race. Though unsuccessful among chickens a fortnight old, the treatment has undoubtedly been successful among older birds, and appears to be worth the attention of those engaged in work on poultry. My own trials were rather rough and ready, a cure rather than a definite research being the object. . . ."

Johne's Disease of Cattle

IN its chronic nature and in some of its characteristics Johne's Disease may be said to compare with tuberculosis, though it is not communicable to man. It is a chronic contagious enteritis which is liable to affect all bovine animals and occasionally those of other species. A herd may become infected by the introduction of a single infected animal, and this animal may show no signs of infection at the time of purchase, and may not develop the disease in its clinical form for several years. The period of incubation, therefore, is sometimes very long, and the animal that brought the disease into a herd may have been disposed of long before it becomes manifest. Symptoms, however, are seldom observed in animals under eighteen months old, although they may obtain infection as calves if suckled by dams which have developed the disease. Within the herd the disease is spread by the discharge of bacilli in the faeces of an infected animal. Pastures, foodstuffs, and ponds become contaminated, the disease organisms being taken into the animal's system with the fodder and water of the daily meals. The almost invariable symptoms of the disease are diarrhoea and wasting. The former may be intermittent at first, but it soon becomes profuse and continuous and is difficult to arrest by means of the usual astringent medicines. The faeces are thin and watery, and frequently gas bubbles are present. The hindquarters of the animal are soiled and also the floors and walls of the cow-shed. As soon as diarrhoea sets in there is a marked reduction in the yield of milk. As a rule there is no rise in the temperature of the animal. At first the appetite is in no way impaired, and it may be retained until a few days before death, but there may be an increased thirst. Although the astringents commonly used in veterinary practice do not arrest the diarrhoea in a case of Johne's Disease, temporary improvement occurs in some cases by the administration of iron sulphate and sulphuric acid. Whilst an animal is undergoing treatment it should be fed on dry rations. A permanent cure is not to be anticipated. The disease must be considered incurable in the present state of knowledge. A means of finding out whether a suspected

animal has the disease is by the employment of a preparation known as "Johnin," analogous to tuberculin used to detect tuberculosis, but opinion is still divided as to the value of this diagnostic agent. The treatment of land with lime, salt, or other chemicals, in hope of clearing it of the organisms, is a waste of money.

Fowl Typhoid

THIS infectious bacterial disease of fowls is of world-wide distribution. In this country it has up to recent times been confined to Wales and its contiguous counties, but latterly a few outbreaks have been encountered elsewhere. It has been considered to be a disease most frequently met with on insanitary farms, and there seems little doubt that the better the hygienic conditions the less the likelihood of an outbreak of this disease. In this country the disease is mainly confined to adult birds. The symptoms are that the infected bird becomes drowsy, loses appetite and stands in dark corners with its head drawn close to its body. Its feathers become ruffled, and the comb and wattles may become very dark and congested or unusually pale and bloodless. The most characteristic symptom is the passing of liquid droppings, which are greenish-yellow in colour and may give off a very foetid odour. The bird becomes progressively weaker and dies after a period of illness varying between four and twelve days. Some birds apparently suffer only a slight attack, recover and remain carriers of the organism and sources of infection to healthy birds. Although it appears possible that infection may pass through the egg, as is the case with bacillary white diarrhoea, experiments have so far failed to prove this to be the case. There is a wide variation in the mortality caused by the disease. In some outbreaks the onset is slow, and only 20 to 30 per cent. of the flock die; in others the onset is rapid, and the mortality may reach 80 per cent. The means of dealing with the disease is blood-testing the affected flock, removing the reacting fowls, inoculating the healthy and thoroughly disinfecting the houses and runs. The blood test is similar to that carried out for the detection of adult fowls affected with bacillary white diarrhoea. The "carrier" birds should be removed at once from the flock, killed, and, if in good condition, sold for food. The healthy birds should then be inoculated under the skin with 1 cc. of vaccine. Young stock may be inoculated at three months old, the dose being 0.5 cc. Infected buildings should be scraped, swept out and the dirt burnt. The walls and roosts should be scrubbed with hot water containing 10 per cent. caustic soda, and when dry washed or sprayed with a disinfectant, such as 5 per cent. solution of carbolic acid, or 2 per cent. formalin, or other reliable disinfectant. The infected runs should be dressed with quicklime at the rate of about 2 tons per acre. Dead birds should be deeply buried or, preferably, burnt.

Foot-and-Mouth Disease

THE danger to agriculture through outbreaks of foot-and-mouth disease is so great, and the disease itself is so extraordinarily contagious, that the Ministry of Agriculture and Fisheries has always held that the only safe policy is immediate slaughter of all affected animals. Determined adherence to that policy has reduced the cases of foot-and-mouth disease in this country to comparatively negligible proportions. What few outbreaks there are here are usually mysterious in their origin; for instance, cattle, sheep or pigs may be found affected in a most out-of-the-way corner of the countryside where no new stock have been brought on the premises for a long time. It is only by those concerned reporting suspicious cases at once that the Ministry is able to put the machinery in motion whereby outbreaks are checked or stopped immediately. Contrast this position

with that of fifty years and more ago, when the disease was allowed perforce to spread like wild-fire through the country, and the loss to the farming community by it was estimated at several millions of pounds sterling each year. That loss was not so much through death, as the disease is not usually fatal—i.e., it may be so in a small percentage of cases—but the loss of condition of fattening animals, cows in milk, of milk, and of calves born dead is always very great. A small change has recently been made in the Ministry's procedure in dealing with outbreaks. It is one based upon the experience of several European countries, including Germany, Italy, Holland and Sweden, and consists of the treatment of herds on farms surrounding an infected farm by means of a serum which gives protection against the disease for about ten days in most cases in which it is applied. The serum has no curative properties, nor will it prevent the development of the disease in an animal which already is infected by the germ. It must be looked upon, therefore, as an additional weapon in the armoury of the State's warfare against foot-and-mouth disease. Its existence and use do not in any way alter the Ministry's main policy of immediate slaughter of affected animals. It may, however, be expected to diminish the secondary outbreaks which usually come up in the vicinity of an original centre, and in that way it will diminish the slaughter necessary and the payment of compensation out of public funds. At the same time it will reduce the loss and inconvenience of a large number of people in country districts when an outbreak of foot-and-mouth disease occurs, as the area over which restriction of movement of animals will be imposed will not need to be so large, nor will it be under restriction so long.

Sheep Scab

SHEEP scab is caused by a parasite which lives on the skin of the sheep, and its existence in numbers causes the animal to lose condition and the wool to become of little or no value. The disease is so serious, because of its power of starting fresh infection on contact with other sheep, that it was made one of the scheduled diseases under the Diseases of Animals Acts, and there is a comprehensive Order dealing with it dated January 1928. The fight against scab has, however, been going on much longer than that, but the Order of January 1928 brings the provision of the earlier Orders into one and revokes them. Generally the law requires that anyone who has in his charge or possession sheep or carcasses affected with scab must give notice of it immediately to the police. The Order also requires that all sheep on premises where the disease is found shall be double-dipped in a suitable sheep dip in the presence of the inspector of the local authority and, if necessary, otherwise treated. Other provisions require the cleansing and disinfection of pens, hurdles, carts, etc., and allows for appeals to the Minister in certain cases where the owner thinks he is being wrongfully treated. The remainder of the Order deals with regulations for sheep scab in what are called "Movement Areas" and "Double-Dipping Areas," that is, in those where sheep scab has been, or is still, known to be prevalent; these are general requirements applicable to all sheep within these areas. It should be noted that "dipping" means the thorough immersion in a dipping bath of the whole sheep in an approved sheep dip. "Double-dipping" means that a second dipping shall take place not earlier than the eighth day nor later than the fourteenth day after the first dipping, that is, in order to kill the mites which are hatched from eggs not killed by the first dipping. Thorough double-dipping is the only effective means of dealing with scab short of slaughter and destruction of the skins. The complaint is known all over the world wherever there are sheep, with the notable exception of one or two important sheep countries. It is now entirely non-existent in Australasia. It was eradicated from New Zealand in 1893. In districts where the disease is known to exist, and where there is any chance of sheep having it even though it is unrecognised, the farmer should have the animals thoroughly double-

dipped in an approved sheep dip. The bath should be kept well up to strength, continually stirred, so that the sediment is not allowed to settle at the bottom, and all animals submitted to a sufficient and even strength of dip. The sheep should remain in long enough, and then a second dipping should be given not less than eight or more than fourteen days afterwards. This second dipping within the time is very important, as is also the exact following of the manufacturers' instructions for mixing the dip. Much loss is occasioned both in meat and wool to farmers in out-of-the-way districts where little or no care is taken of the disease. Such lingering cases are, of course, punishable under the Diseases of Animals Acts for non-reporting, but local authorities are much more observant than they used to be. It was always difficult to supervise lonely tracks in the high mountains of Wales and in the North of Scotland, but these are being brought under review, and a great work has been done in recent years in Scotland and in central Wales by local authorities who have set their minds to diminishing this really serious disease.

Hysteria in Dogs

DURING the last year or two the columns of the "doggy" Press have been filled with alarmist reports of strange happenings amongst dogs; and in the correspondence columns of more than one well-known daily newspaper many letters have been printed from distressed owners of dogs which have developed symptoms of a strange malady that has come to be known (for want of a scientific description) as "Hysteria." The chemist, who is so often appealed to for advice and guidance in the treatment of domestic animals, will be well advised to get this new sensation into proper perspective before venturing to advise upon it authoritatively. There is no such "disease" as hysteria—that may be stated at once. The strange happenings referred to—sudden fear, terrified rushings about and howling, as though some ghostly body had been seen—are the usual symptoms. But many and varied descriptions have been given, some of which include unconsciousness after strange behaviour, which is clearly attributable to epilepsy (a complaint by no means infrequent among dogs). The first thing to do, in advising upon a case of so-called "hysteria" is to ascertain with as much precision as possible what the symptoms were. The majority of cases originate in stomachic or intestinal pain (mostly the former). An attack of colic—very common amongst dogs kept and fed under modern conditions—will often set a neurotic animal off howling and scampering about. So, too, will the movements of intestinal worms, especially tapeworm. In any such case, where there is no report of unconsciousness, a dose of castor oil should be prescribed first, followed by a mixture of tr. belladonnae and aq. chlorof., with a small dose of sodii bromid. added. A little advice on common errors of diet, of which over-feeding is the chief and wrong feeding the next in order of frequency, will, if followed out, tend to enhance the prescriber's reputation. The tendency to feed dogs on biscuits made of low-grade or damaged flour with the addition of candle-fat graves has much to account for in the way of dyspepsia among dogs. These animals are gifted by Nature with very powerful digestive juices which can deal with lumps of meat. It has been said with perfect truth that a dog can even digest any piece of bone that he is able to swallow; and nothing is more conducive to dyspepsia than the constant giving of artificial and minced-up foods (especially of a starchy nature). Hence a little advice after this sort may very often have greater results than any medicine prescribed, and thus enhance the reputation of the prescribing pharmacist as an authority on canine ailments. But if the symptoms described by the owner of a dog afflicted with "hysteria" include unconsciousness different considerations apply. Epilepsy is very often associated with distemper. Distemper appears in several forms, the most serious of which is that known as "head" or "brain" distemper—the spinal column being singled out for attack. Dogs

affected by this form of the disease often show none of the ordinary symptoms of distemper, such as catarrhal discharge from the eyes and nose, but are suddenly seized with epileptic attacks, and in many cases with chorea or trembling and twitching of the nerves of various parts of the body. Consequently if the hysteria complained of is followed by any tendency to unconsciousness the remedies to be prescribed are (a) a dose of castor oil or medicinal paraffin *pro re. nata*; (b) a pot. bromid. or sodii bromid. mixture to be given when any attack is thought to be imminent, and afterwards; and (c) after recovery from an attack a course of some good strong tonic pill of the ext. conii, ext. belladonnae and ferri sulph. type. It will also be necessary here to enjoin careful feeding, though in serious cases a few days of simple milk feeding may be a wise preliminary. The average dog owner needs a good deal of persuasion to believe that a course of semi-starvation is often the kindest and most effective treatment for his or her favourite.

Swine Erysipelas

SWINE erysipelas is a contagious disease of swine caused by a bacillus. It is not a scheduled disease under the Diseases of Animals Acts, and is not notifiable; consequently, there are no complete statistical records available to indicate its prevalence or distribution. Some 1,200 outbreaks, however, are brought to light annually in the course of investigations into reported cases of suspected swine fever, and it is thus known that swine erysipelas exists in all parts of Great Britain, and throughout the year, with a marked increase in the frequency and severity of attacks in the summer months. The pig is the only domestic animal that contracts the disease naturally, although certain other animals and birds can be infected artificially. The usual way in which pigs take it is through food or water that has become contaminated with the bacilli; occasionally the bacilli may gain entrance to the pig's system through wounds or abrasions, and thus set up the disease. They multiply rapidly in diseased pigs and are discharged in large numbers in dung and urine. The disease may thus be spread from affected to healthy pigs. The bacillus of swine erysipelas can also carry on an independent existence outside the bodies of animals, and may survive in soil for a long time. Outbreaks of the disease may therefore arise from soil infection, quite independent of recent purchases of, or contact with, affected pigs, and in this country outbreaks originate mostly in this way. The principal factor in maintaining infection on a farm is probably the use of contaminated manure. Its restriction to arable land does not entirely eliminate risk, since pigs may be exposed to infection if allowed access to such land after harvest, or if they are fed on roots produced thereon, and to which a certain amount of soil always adheres. The clinical signs vary in intensity, but in general three readily distinguishable forms of the disease are recognised:—

Mild Cases

The pigs appear to be out of sorts and dull. Their appetite is impaired, and there may be constipation and thirst. A characteristic skin eruption develops on various parts of the body, especially on the chest, back, neck and the outside of the thighs. The skin in these places is discoloured dark red or violet in sharply defined areas, which are sometimes circular but more frequently quadrangular in shape, and which measure about 1-2 inches across. Usually the symptoms subside after the development of the skin eruption, and recovery takes place in a week or ten days. Sometimes, however, the skin eruption takes a more serious course, resulting in the shedding of areas of skin, and this may involve the loss of extremities such as ears or tail.

Acute Cases

The animals show the usual signs of severe illness in the pig, namely, rise of temperature, shivering, loss of appetite, vomiting, and at first constipation, followed

by diarrhoea. They lie in a state of exhaustion, or crawl under the straw in the sty. Death may occur suddenly within twenty-four hours, but usually the course of the disease is slower, and a red patchy diffused discoloration appears on the skin of the buttocks, thighs, body and ears. As, however, this discoloration may be found in other diseases of the pig, notably swine fever, it cannot be taken as a sure indication of the presence of swine erysipelas. The breathing is very rapid, and the pigs sway and stagger when made to walk. Ultimately, in fatal cases, the temperature drops suddenly, and the animals die in a state of coma within three or four days.

Chronic Cases

Swine that have passed through an acute attack may recover, but usually recovery is slow, and the animals remain unthrifty for a considerable time. In certain cases lameness caused by inflammatory changes in the joints of the legs is a very marked sequel.

Sudden death from heart disease frequently results in pigs that have passed through an acute attack of swine erysipelas, but this is sometimes found also as a sequel to the mild form of the disease.

Remedies

The administration of drugs either for the prevention or cure of this disease has no specific effect.

The only treatment of any value is by inoculation of serum. The serum is curative if used in larger doses than those employed as a preventive, and results of treating affected pigs by this method in different parts of Europe show that from 75 to 90 per cent. of pigs so treated recover, it may, however, be necessary to repeat the treatment. Recovery from a natural attack, whether the pigs have been treated with serum or not, will confer a prolonged immunity against re-infection. The attack, however, is liable to result in the setting up of disease of the heart, which at a later stage may cause death. On farms where the disease has regularly or frequently broken out it is advisable to consider whether vaccination should be adopted annually. As the recurrence of disease on an infected farm varies considerably both in frequency and severity, an owner must be guided by his past experience when making this decision.

Business Changes

SCOTT'S CASH CHEMISTS (LEIGH-ON-SEA), LTD., 1075 London Road, Leigh-on-Sea, have opened a new branch at 201 London Road, Westcliff.

MR. W. H. FLORENCE, chemist and druggist, has taken over the business of Mr. J. E. Clegg, chemist and druggist, London Road, Purbrook, Hants.

MR. S. ARMITAGE, chemist and druggist, has taken over the premises recently occupied by T. H. Walton & Co., Ltd., chemists, Batley Carr, Yorkshire.

THEW, ARNOTT & Co., LTD., talc, wax and general merchants, 3 & 4 Water Lane, London, E.C.3, have vacated their works at Redhill and removed to Flodden Works, London Road, Wallington, Surrey.

THE business of Beall & Son, chemists, 25 Sidney Street, Cambridge, will be continued by Mr. George E. Beall, one of the partners whose dissolution of partnership was announced in our issue of October 3.

MR. E. S. HOLMES, chemist and druggist, 19 Eden Street, Kingston-on-Thames, has taken over the business of Mr. W. J. E. Gould, chemist and druggist, 1 Broad Street, Teddington, and will continue it as a branch.

L. LEICHNER (LONDON), LTD., inform us, with reference to a notice that appeared in this section of our last week's issue, that the Brixton address to which they are removing is that of their factory premises, known as Leichner House.

Births

Notices for insertion in this column must be properly authenticated.

JONES.—At 61 Reform Street, Dundee, on September 25, the wife of H. F. Jones, chemist and druggist, Brook Street, of a son.

LANGLEY.—At The Pharmacy, Foulsham, Norfolk, on September 26, the wife of G. H. Langley, M.P.S., of a daughter.

Marriages

COWAN—DUNLOP.—At Montreal, on August 26, Frederic David Cowan, chemist and druggist, Glasgow, to Margaret Dunlop.

McKELLAR—LYLE.—At the High Church, Rothesay, on September 17, by the Rev. W. T. Smellie, O.B.E., M.A., John Laird McKellar, York, younger son of the late Robert McKellar, Greenock, to Fairie, younger daughter of Mr. William Lyle, J.P., M.P.S., Hon. Sheriff-Substitute of Buteshire, and of Springbank, Rothesay.

Deaths

ABBOTT.—Recently, Mr. Herbert Edward Tripp Abbott, chemist and druggist, High Street, Lindfield, Sussex, aged seventy-one. Mr. Abbott was in business at Lindfield for nearly forty years, and latterly had been assisted by one of his daughters, who is qualified.

DENNISON.—At "Oaklands," 1024 Shields Road, Walkerville, Newcastle-upon-Tyne, on September 30, Margaret, beloved wife of Mr. R. H. Dennison, M.P.S. Interred at Heaton Cemetery on October 3.

WRIGHT.—At Oxton, Birkenhead, on September 26, Mr. Samuel Arthur Wright, chemist and druggist, aged forty. Mr. Wright was the youngest son of the late Mr. Joseph Wright, chemist and druggist, 174 Park Road, Liverpool, and after serving his apprenticeship to his father he qualified in July 1915. In October of the same year he joined the R.A.M.C., and was drafted to East Africa, where he served until his demobilisation. He then took over the business of his father, and carried it on till 1927, when he became manager for the executors of his brother-in-law, Mr. H. A. Smith, chemist and druggist, 583 Borough Road, Birkenhead.

Personalities

DR. H. SHERIDAN BAKETEL, president of Reed & Carnrick, Jersey City, U.S.A., is on a visit to this country.

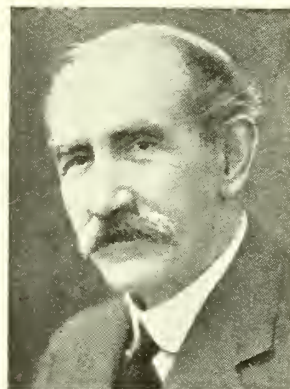
MR. T. S. BRECHIN, chemist and druggist, a director of Millers, Ltd., Ceylon, who has been home on a six months' holiday, sails by the "Antenor" from Marseille on October 16.

MR. G. I. AKEROYD, chemist and druggist, sales manager of Boots, Ltd., Nottingham, is to lecture at the Bradford Y.M.C.A., on October 22, where a series of lectures on "The Art of Retail Selling" is being given. Mr. Akeroyd's subject will be: "The Psychology of a Sale."

MR. C. A. THARLE, J.P., Ph.C., and MRS. THARLE, 24 Linton Road, Hastings, celebrated their golden wedding on September 21. Mr. Tharle, who has been a borough magistrate since 1915, was formerly in business in Kensington, London, S.W. He went to Hastings in 1887, and until his retirement in 1920 was proprietor of the pharmacy of J. Bell & Co., Robertson Street.

IN connection with the attainment of the silver wedding of Mr. W. J. Williams (managing director and secretary of Francis Newbery & Sons, London, E.C.1) and Mrs. Williams (*C. & D.*, September 12, p. 339), Mr. Arthur Newbery, director and chairman, handed to Mr. W. J. Williams on October 1, in the presence of the staff, a silver tea and coffee service, which had been subscribed for by the shareholders, directors and the staffs of the London, Cardiff and Liverpool houses, as a memento of the occasion and as a mark of esteem. Mr. Newbery spoke on the happy significance of the occasion, both from a personal and business aspect, and Mr. Williams, in expressing the thanks of Mrs. Williams and himself, emphasised his appreciation of the handsome gift as a proof of the "bond of affinity."

ALDERMAN F. G. FOSTER, J.P., chemist and druggist, who is Lord Mayor-elect of Portsmouth, has previously



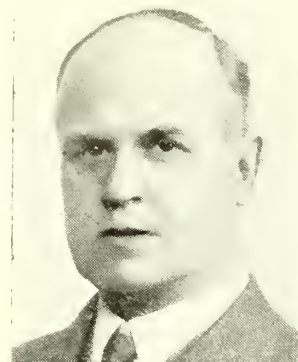
ALDERMAN F. G. FOSTER, J.P.

held the office of Mayor in 1907 and 1922. After being apprenticed to his eldest brother, Sir Tom Scot Foster, he passed the Minor examination in 1881, and has been in business in the city for over fifty years. Alderman Foster has given a great deal of his time to public service, as he entered the town council in 1892, became an alderman in 1911, and in 1924 was made a freeman of the borough. At the time of his election as a councillor his two brothers were already members. It is probably a unique circumstance that three brothers—all chemists in business—should be on a town council simultaneously. In municipal affairs the Lord Mayor-elect has devoted most of his energies to the educational and electric light services of the city, and has been chairman of each committee for a considerable period, relinquishing the latter in 1905 in order to devote more time to the former.

MR. JOHN LANCASTER, this year's chairman of the Leeds Branch of the Pharmaceutical Society, has served

pharmacy in Leeds in many capacities. Born in the New Wortley district in 1874, he entered the pharmacy of the late Mr. J. G. Candy, Ph.C., Wantage, and subsequently had experience at Birmingham. In 1892 he was appointed assistant dispenser at Leeds General Infirmary, and three years later secured the post of head dispenser at the Leeds Public Dispensary, a position he retained to 1919, when he resigned to commence business on his own account.

He joined Leeds Chemists' Association (now the Pharmaceutical Society's branch) as an associate in 1895; was elected to its Council in 1919; was secretary in 1921; vice-chairman in 1930; and now is the chairman. He has been a keen member of the Retail Pharmacists' Union since its inception, and was chairman of the local branch in 1927, when his own son (Mr. Harold Lancaster) was secretary. In 1928 Mr. Harold Lancaster became chairman and his father the secretary, Mr. Lancaster, sen., retaining the secretaryship until last year. He is also chairman of the Leeds Pharmaceutical Committee.



MR. JOHN LANCASTER

Trade Notes

VETERINARY BUSINESS.—The attention of subscribers is called to the coloured advertisement pages appearing in this issue, wherein the following manufacturers make announcements regarding products sold by veterinary chemists; ASSOCIATED LONDON FLOUR MILLERS, LTD., (Salca mineral supplement for dogs and birds); BENBOW'S DOG MIXTURE Co. (dog mixture and soap); BURGOYNE, BURBIDGES & Co., LTD. (flake and worm capsules); THE CATALINE Co., LTD. (Clement's Cataline); COOPER, McDougall & ROBERTSON, LTD. (dog medicines); W. H. COWIE (Cornucrepine hoof ointment); THE DENVER CHEMICAL MANUFACTURING Co. (Antiphlogistine); FREUDENTHEIL, SMITH & Co. (cod-liver oil); T. HARLEY (Rodine); HARVEY & Co., LTD. (Harvey's horse remedies); HIRST, BROOKE & HIRST, LTD. (Gell's footrot ointment); GEORGE KING & Co., LTD. (Kg puppy food); BOB MARTIN, LTD. (dog condition powders); PARKE, DAVIS & Co. (worm capsules); THE HARRY A. PENNEY Co., LTD. (Sergeant's dog remedies); A. F. SHERLEY & Co., LTD. (dog and cat medicines); WRIGHT & HOLDSWORTH (Naldire's dog soap).

SERGEANT'S DOG REMEDIES.—The Harry A. Penney Co., Ltd., 173 Great Portland Street, London, W.1, are the distributors in this country for Sergeant's dog medicines. On certain orders, embracing an assortment of the remedies sufficient for ordinary ailments, an attractive counter cabinet is supplied free. One view of the cabinet is shown in the photograph; the other side has pigeon-holes for storing the various products. Other inducements which are of interest to chemists include free goods on initial orders, a supply of free dog books, and free expert advice on dog ailments from the company's consultant.

CAPSICUM TISSUE.—Robinson & Sons, Ltd., Wheat Bridge Mills, Chesterfield, invite chemists to write for samples of capsicum tissue, which could be sold as an "own brand" product.

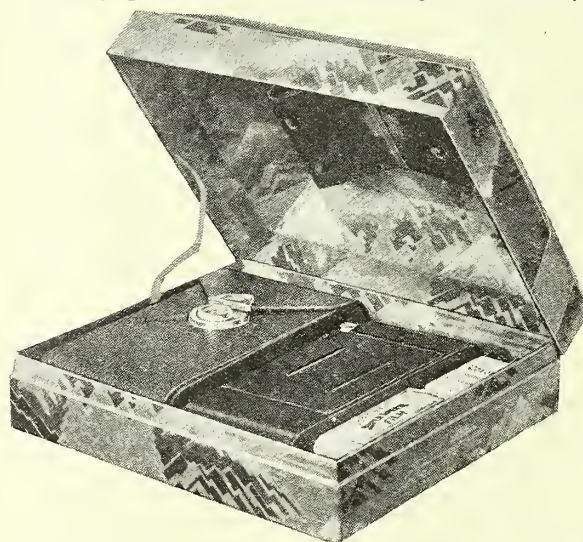
SHERLEY'S SALES-AIDS.—A. F. Sherley & Co., Ltd. dog food and medicine manufacturers, 18 Marshalsea Road, London, S.E.1, are supplying their worm capsules and powders and the tonic and condition powders on attractive display cards, a departure which should considerably stimulate sales if made use of by chemists. A selling point which should specially appeal to dog owners is that the tonic and condition powders, which are available for small, medium and large animals, are in packets of nine powders, each representing one dose. The company is also issuing other artistic showcards, one of which is depicted in the accompanying illustration. Messrs. Sherley inform us that their recently-launched advertising campaign has already proved a stimulant to business. Particulars of the special parcel terms are given in the company's advertisement in this issue.



ARTISTIC SHOWCARDS.—We have previously called attention to the artistic showcards which are being issued by Bob Martin, Ltd., Southport, and the illustration portrays the latest addition to the series. This new card (8 in. by 10 in.), which is a magnificent colour reproduction of a Scotch terrier from an oil painting by Arthur Wardle, combines artistic, sentimental and sales appeal with a valuable link with the other well-known cards, and gives a continuity which is the essence of successful display. The new double crown window bill is one which every chemist who has the requisite space (30 in. by 20 in.) would be well advised to show. In addition to its display value, this poster forms a conclusive buying argument to the winter advertising campaign which Messrs. Bob Martin have placed in the lay Press.



CHRISTMAS GIFT BUSINESS.—There can be little doubt that chemists lose much business during the buying period just prior to Christmas through restricting their stock of articles which are suitable for presents. For example, as an alternative to perfumery, inexpensive photographic apparatus should prove attractive, and there was recently brought to our notice an actual instance in which the possibilities of camera sales neglected by photographic dealers were turned to good account by



other retail traders. Among the manufacturers who are offering special outfits of photographic materials for Christmas trade is the Coronet Camera Co., 48 Great Hampton Street, Birmingham, whose casket (containing a folding camera portrait attachment, carrying case, film and loose-leaf snapshot album) is shown in the accompanying photograph. There is a similar outfit containing a box-form camera. It should be noted that, attractive as the caskets are, no charge is made for them, so that any articles not sold during the festive season can be disposed of separately later on. There is little doubt that most chemists could make a greater feature of Christmas gift business and educate the public into thinking of the pharmacy to supply their needs.

OPTICAL TUITION.—Particulars of the tuition offered by Mr. C. A. Scurr, 50 High Street, Barnet, London, N., in the preparation of candidates for the optical examinations are given on another page.

FRE-FLO ASPIRIN.—H. W. Graesser-Thomas, 49 Leadenhall Street, London, E.C.3, asks us to call the attention of subscribers to the fact that Fre-flo aspirin is 100 per cent. aspirin and 100 per cent. British.

ARMOUR & Co., LTD., Armour House, St. Martin's-le-Grand, London, E.C.1, announce that the prices of Glanoid concentrated fluid liver extract have been advanced. The prices of ampoules, tablets and powder are unchanged.

DUNLOP HOT WATER BOTTLES.—Macinlop, Ltd., Cambridge Street, Manchester, describe the Dunlop hot water bottle as the strongest, safest and most reliable in existence. It is packed in an attractive container and sells at a fixed price.

BONUS OFFER.—NUMOL, LTD., Newcastle-on-Tyne, give particulars elsewhere in this issue of a bonus offer which is available during this month. It should be noted that orders can only be accepted for execution through the chemists' usual wholesalers.

MORNY FRÈRES, LTD., 6 New Burlington Street, London, W.1, are issuing a dignified showcard which calls attention to the fact that "Morny fine perfumery is the product of British capital and British labour." The showcards are mounted in passe-partout and mica and are available (on request) in three sizes:—15 in. by 12 in.; 10 in. by 8 in.; 7½ in. by 6 in.

THE CHARLOTTE hot-water bottle cover (O. J. Hewlett & Son, Ltd., 35 Charlotte Street, London, E.C.2) is noteworthy as it completely encloses the stopper as well as the bottle, thereby eliminating any risk of burns. The cover is supplied in several colours, and there is an attractive showcard available. With the approach of winter this article should be in great demand, particularly at the reduced prices.

RAT POISON TABLETS.—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, inform us that they are putting on the market Plough brand rat poison tablets. The chief ingredient in the tablets is red squill, an efficient agent for destroying rodents, but harmless to human beings, domestic animals and birds. No bait is required when using this product, which will be sold in boxes of 25, 50, 100, 500 and 1,000.

TOILET SOAPS.—Pomona Soap Co., Ltd., 194 Great Portland Street, London, W.1, have just introduced Posy, a new toilet soap retailing at 4d. a tablet, with a bonus of one dozen tablets on orders for twelve dozen. The soap is round in shape, well perfumed, and packed in one-dozen outers with a display arrangement. Attention is also called to the same makers' Camphor soap, attractively packed in boxes of three and suggesting itself for sick-room use.

BRITISH-MADE PHENOLPHTHALEIN.—The British Drug Houses, Ltd., Graham Street City Road, London, N.1, have been making pure phenolphthalein for the past four years. Some two years ago, at the instance of the Board of Trade, they built a new plant on a scale designed to render this country self sufficient in regard to it. Their perfected plant, which was based upon the long experience they had gained of its manufacture, has now been in full running for over a year. Its capacity is large enough to meet the whole of the consumption in this country with a considerable surplus for export. As regards the product itself, the B.D.H. have so perfected their process as to obtain yields which enable them to compete in price with any product of foreign manufacture, and the product is unexceptionable in quality and of first-class purity. This is but one example, though an outstanding one, of an important organic chemical, the successful production of which would probably never have been attempted but for the existence of the Safeguarding of Industries Act. It is to be hoped that consumers of phenolphthalein will support this enterprise.

SALCA.—The need for mineral supplements in cattle feeding is fully appreciated by stock owners, but the same cannot be said regarding those who keep dogs, cats or cage birds. To remedy this state of affairs, Associated London Flour Millers, Ltd., Haddon House, 66A Fenchurch Street, London, E.C.3, have brought out under the name of Salca a preparation of iodised minerals for either administering *per se* or it can be added to the daily rations. The wholesale and retail prices are given elsewhere in this issue.

CATTLE LICE.—The near approach of the winter season, when many more cattle are stalled than during the summer months, presents an opportunity to veterinary chemists to effect good sales of a suitable preparation for the destruction of lice on cattle. Cattle lice keep close to the skin of the animal, for the sake of warmth, as well as for the sake of feeding, and they are by no means easy to detect, partly because they are so small, only ⅓ in. long when fully grown, and partly because byres, sheds and stables are not usually well lighted. As lice cause intense irritation, a typical symptom of infestation is frequent scratching and rubbing of the affected animal. This leads in some instances to loss of hair, in others to the formation of crusts composed of a mixture of skin secretions, scurf, cast skins of lice and dirt. These crusts are sometimes diagnosed wrongly as cattle mange. Among the remedies widely employed for the destruction of cattle lice are mercurial ointments, tobacco powders, carbolic washes, and pyrethrum powder. Most of such preparations have one great common disadvantage, namely, their inability to destroy the eggs (nits), which will hatch out in the course of a few days and start the cycle of infestation all over again. Recently Cooper, McDougall & Robertson, Ltd., Berkhamsted, have placed on the market a Cattle Louse Powder in which they have incorporated the insecticide so successfully used for the destruction of the warble maggot. It is stated that this powder, which is non-poisonous, non-irritating and odourless, not only kills the adult lice, but also sterilises the eggs, and for this reason is particularly acceptable to cattle owners.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1931, p. 345.

(From "The Trade Marks Journal," September 16, 1931.)

- "SELOCHROME": for photographic chemicals, etc. (1). By Selo, Ltd., Woodman Road, Warley, Brentwood, Essex. 525,003. (Associated.)
- "PEN" Brand "with design of two quills; for chemicals (2). By Clay & Abraham, Ltd., 87 Bold Street, Liverpool. 524,431. (Associated.)
- "PARNASIL": for medicinal chemicals (3). By E. R. Park, Dominion House, Thames Road, Chiswick. 524,958.
- "YESTAMIN": and "YESTAMIN" with design of energetic figure; for medicinal chemicals (3). By The English Grains Co., Ltd., Shobnall Road, Burton-on-Trent. 525,102/139. (Associated.)
- "LEYOLIN": for ointment (3). By T. I. Beale, 23 Richmond Road, Chorlton-cum-Hardy, Manchester. 523,711.
- "BIZ-O-GEN": for medicinal chemicals, not including vitamin concentrates (3). By H. Chard, Blacklands Road, Catford, S.E.6. 524,730.
- "BEAU GESTE": for perfumery, etc. (43). By Molinelle (London), Ltd., 35-39 Maddox Street, Regent Street, W.1. 524,460.
- "VANDEX": for perfumery, etc. (43). By Hex Supply Co., Ltd., 252b Gray's Inn Road, W.C.1. 524,918.
- "CLENOLA NUCREME" on floral label, and "CLENOLA BRAND" with monogram "R L"; for preparations for the hair (43). By R. Langford, Durham Chambers, Pelham Street, Nottingham. 520,157.
- "NODEUR": for deodorisers, creams, powders and bath salts (48). By Naomi E. Oates, 8 Paul Street, Cotnam, Bristol. 524,123.



John Bell, Hills & Lucas Ltd.

TRIAD BRAND

EXTRACT OF MALT & COD LIVER OIL
with CHERRY PARRISH'S FOOD

Send for sample & prices

Oxford Works, Tower Bridge Road, London, S.E.1

Tubes and
vials of 24
Cat Units,
retail 3/6

From Wholesalers,
or the British
Empire Agents,

MATTHEWS LABORATORIES, LTD., CLIFTON, BRISTOL, ENG.

UPSHER SMITH
DIGIT ALIS
TINGTURE TABLETS



TRADE MARK 'NEOTROPIN' Brand

Butyloxy-diamino-azo-pyridin.

A new urinary antiseptic now being heavily
advertised to the Medical Profession.

Bottles of 30 and 250 dragées.

RETAIL PRICES 4/6 and 24/9
CHEMISTS' PRICES 3/0 and 16/6

Supplies may be ordered direct and invoiced through your usual wholesaler.

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Children's Powders

ADVERTISED EVERYWHERE. READY SALES.
ALFRED FENNINGS, Cowes, I.W.

TO ALL CONCERNED!

"TY.PHOO" TEA

IS OWNED BY

Messrs. SUMNER'S TY.PHOO TEA, LTD.

"Ty.phoo" Buildings, Bordesley Street, Birmingham,

who invite applications for terms for what they
claim to be "the best paying line in the trade."

(This Company is in no way connected with any other House.)

WHITE BRILLIANTINE
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80 Royal London House,
Finsbury Square,
London, E.C.2. (3)
OILS

**EXTRA
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ALCOHOL
FOR
PERFUMERY

Write for Prices

JAS. BURROUGH Ltd. 1 Cale Distillery,
LAMBETH, S.E.11

PATENTS AND TRADE MARKS.

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REGINALD W. BARKER & CO.

56 Ludgate Hill, London, E.C.4.



Two New Creations of
"VAREEN"
LIQUID NAIL POLISH

*Brilliant Rose
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NAIL POLISH

1/- size, 7/6 doz.

1/6 " 10/6 "

2/6 " 16/- "

POLISH REMOVER

1/- size, 7/6 doz.

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CUTICLE CREAM

1/- size, 7/6 doz.

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(FROM YOUR WHOLESALE)

Vareen Ltd., 82a Portobello Rd., London, W.11

Pharmaceutical Botany

Price, 5/-, by post 5/4.

Veterinary Counter Practice

Eighth Edition (1930).

Price, 7/6 net, by post 8/-.

DISEASES and REMEDIES

(New Edition, March 1931).

Price, 5/- net, by post 5/3.

THE CHEMIST AND DRUGGIST,
28 ESSEX STREET, LONDON, W.C.2

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

H/310. Comfy-Pads

E/312. Rand Diamond brand

P/311. Hormoctan

clinical thermometers

P/313. Universal Pile Cure

The CHEMIST AND DRUGGIST

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A Contract is a Contract

A POINT of interest and importance has arisen in connection with contracts between foreign and British firms entered into at the time the world value of sterling was static, and which have yet to be carried out. Foreign firms who are parties to such contracts and who sold in sterling will suffer some loss, just as will British firms who purchased in a foreign currency; on the other hand, foreign firms who purchased in sterling will benefit. British firms who contracted to buy or sell in sterling neither gain nor lose. In this country it has already been generally agreed that British firms who are involved will carry out and honour all such contracts, quite irrespective of any loss incurred. There is no question of British firms whose liability under these contracts is expressed in, say, dollars or francs, making any attempt to default. To them a contract is a contract. It is also pleasing to be able to record that the large majority of foreign firms of repute and standing have intimated they intend to fulfil such contracts. There are, however, a number of other foreign houses who have informed their buyers in this country that, unless they are compensated for the loss they may incur, they propose to plead *force majeure*, or by some other means seek to cancel such contracts. In other words, they propose to vary the contracts or cancel them. We are at a loss to understand how it can be hoped to justify in law or equity the claim either to default or to vary a contract simply and solely because, during the period elapsing between the date when the contract was entered into and that on which payment falls due, the transmutable value of the currency of one nation to that of another has varied. Such absurd claims are obviously actuated only by motives of self-interest, and reflect an entire absence of business morality on the part of those who make them. We have not thrown overboard one currency and instituted something different. The value of sterling in the world's money markets yesterday, today and to-morrow is beside the point; it has been at all times, and still is, sterling. Depreciation or appreciation in the rate of exchange of sterling or any other currency is an ordinary business contingency. We have yet to be convinced that, where the currency of a particular nation is specified and agreed to in a contract, any fluctuation in the exchange value of that currency provides the least ground for the cancellation or variation of that contract either by buyer or seller. International commerce has always had its attendant risks, and undoubtedly the present unsettled and constantly changing world conditions have made matters even more complicated. To-day, therefore, trade between nationals of one country with those of another demands that the contracting parties must have full confidence in each other to carry out their respective engagements. The nation or individual firm, who, by their actions in such circumstances as this, display an utter disregard for the bond they have entered into, simply because it involves them in a loss, should bear in mind that trade is a continuing process which can only be sustained and successfully built up by a strict adherence to, and performance of, all obligations undertaken. While we are satisfied there is absolutely no case for any firm, because they happen to be adversely affected, whether they be buyer or seller in foreign currency or in sterling, to

claim relief from their commitments under the contracts in question, we suggest that even if there was it would be an action devoid of foresight to rupture long-standing business connections by seeking to take advantage of it. Here, it would appear, is the opportunity for those firms with an eye to the future and who value their reputations to demonstrate that above all things they understand the sanctity of a contract. They will be amply repaid if they agree with us that a contract is a contract.

"C. & D." Price List

THE index for drug and chemical prices in September showed no change from that of August, being 126.3. This is a very low figure and indicates to what extent prices in drugs and chemicals have fallen. The month of October will most certainly show an advance, as the financial situation has been very disturbing in the drug market. Such price changes as are available have been incorporated in the price list included in this issue of the *C. & D.* Adjustments will be needed almost weekly, and in the coming stocktaking all costs will need to be referred to current prices, which may have varied materially. Iodine and iodides, bismuth salts and quinine salts show the greatest variations. In pricing of prescriptions care should be taken to refer to the list and not trust to memory. Most synthetics are already up one penny per ounce, and the end is not yet. In surgical dressings prices for September showed a new low level, falling from 144.0 to 133.0. This is the lowest position prices have reached since they began to soar in the autumn of 1914. Whether such figures can be maintained or not is more than doubtful. It is difficult to draw any conclusions from figures at the present time as cash values are varying daily, dependent solely on the buying and selling in the international stock markets.

The "Exploitation" Act

THE Act which was rushed through Parliament just before the dissolution under the title of the Foodstuffs (Prevention of Exploitation) Act, 1931, deserves careful attention by wholesalers and retailers alike. It is true that the measure is only to operate for a period of six months; but once a statute of this sort gets on the statute-book, it is easy to provide for it to remain there. The Act gives unlimited powers to the Board of Trade, if they think that—

"by reason of the action of any persons in exploiting the present financial situation there is, or is likely to arise in Great Britain or in any part thereof, any shortage of or any unreasonable increase in the price of any article of food or drink of general consumption"

to make such regulations as they think expedient, and among other things in these regulations, to "confer or impose on any person or body of persons such powers and duties as the Board of Trade may consider necessary or expedient" to remedy such a state of affairs. Power is given to fix, in such regulations, penalties up to £100, with forfeiture of goods and accruing profits, and imprisonment. This goes far beyond the war-time Profiteering Acts and might be taken to indicate a much more serious state of affairs than is likely to arise.

IMPERIAL INSTITUTE BULLETIN.—The latest issue of the "Bulletin of the Imperial Institute" (vol. 29, No. 2, John Murray, 3s. 6d.) includes notes on eucalyptus oils from South Africa and Seychelles, an account of the uses of algin and a variety of other information.

"THE PRESCRIBER."—The current issue of "The Prescriber," a monthly medical review published in Edinburgh, celebrates the twenty-fifth anniversary of the periodical. An editorial article sketches its history. Started in a small way by the present editor, Dr. Thomas Stephenson, Ph.C., this journal has steadily grown in size and influence. "Birthday greetings" from old subscribers, and a plate showing views of the present offices at 13 Glencairn Crescent, are features of this issue, which has thirty-one pages dealing with skin diseases.

Pharmaceutical Society of Great Britain

Council Meeting

A MEETING of the Council was held at 16 Bloomsbury Square, London, W.C.1, on October 7, Mr. A. R. Melhuish (president) in the chair. Mr. Neathercoat was the only absent member.

TUESDAY'S PROCEEDINGS

The following items were included in the business transacted by the Council at their meeting on October 6:—

A letter was read from the secretary of the Departmental Committee on Local Government Officers stating that in the event of the Committee being unable to accept the proposals put forward by the Society in their recent evidence, the Society would be informed in order that there might be an opportunity of supplementing the written evidence by oral evidence.

The report of the Law Committee stated that in England and Wales, since the last report, 1,498 shops have been visited; of these, 997 were chemists' shops. In two chemists' shops no certificate was exhibited. The remaining 501 shops visited were shops carried on by unqualified persons. At thirty-two of these certain infringements of the Pharmacy Acts were reported. In Scotland, since the last report, 161 shops have been visited. These included 160 chemists' shops and one other shop. In all the chemists' shops certificates were exhibited.

DEATHS

On the resumption of the proceedings on October 7, the PRESIDENT, in making suitable reference to the deaths of men well known in pharmacy, expressed regret at the length of the list. They included Mr. Alfred William Ashcroft, Liverpool, president of the Liverpool Chemists' Association, 1923-1924; Mr. John Bain, Liverpool, past-president and past-secretary of the Liverpool Chemists' Association; Mr. James Farnival Eardley, Ph.C., past-president of the Sheffield Pharmaceutical and Chemical Society; Mr. Joseph Oliver, Hull, chairman of the Hull and District Branch, 1928-1929; Mr. John Thomas Ward Wallis, Ph. C., Woking, from 1895 to 1909 divisional secretary of the Society for Islington and subsequently divisional secretary for the Chertsey Division of Surrey; Mr. William George Wells, Maidstone, for many years secretary of the Medway Branch; Dr. Walter Ernest Dixon, M.A., F.R.S., honorary member of the Society since 1911.

The PRESIDENT regretted the passing of so many men who had rendered such excellent service to pharmacy, and the Council paid their tribute by standing in silence.

ELECTIONS AND RESTORATIONS

One hundred and sixty persons were elected members of the Society, and fourteen persons as student-associates. A number of persons were restored to the Society, and one to the Register. The registrar reported that 304 persons had been registered as apprentices or students.

GOVERNMENT VISITOR'S REPORT

A letter was read from the Privy Council transmitting the report of Sir William Willcox on the examinations held in London during the year ended March 1931. The report included the following passages:—

In the Preliminary Scientific examination there was good evidence that the majority of the candidates had undergone a course of training in both the practical and theoretical sides of the subjects examined upon. The examinations were conducted in a most satisfactory manner, and every opportunity was given to the candidates for the carrying out of their work in the practical examinations. The practical examinations in the three subjects are a good test of the efficient preparation of the candidates, and of a thorough grasp of the practical side of their work. The

practical examination in physics was carried out in the large hall of the Society's building. The apparatus provided was in excellent order and permitted of a varied selection of test experiments. Every facility was provided for the performance by the candidates of the work required in the practical questions.

In the Qualifying examination, the examinations in the respective subjects were most carefully conducted, and every facility was provided to the candidates for the carrying out of the work required in the practical examinations. Special mention may be made of the excellent manner in which the examination in pharmacognosy was arranged. This examination gave the candidate an opportunity of showing his practical knowledge and training in the subject. The standard of knowledge required by the examiners in practical and theoretical pharmacy is very properly a high one. In both pharmacy and pharmaceutical chemistry the rejections reached a high figure. These subjects are of great importance in this examination.

GIFT TO THE SOCIETY

The PRESIDENT announced that the Council had received a gift of a solid silver inkstand, of Charles II design, from Mr. W. H. Quarrell and his son to replace the one which disappeared from the Society's house a good many years ago. He suggested that a letter of thanks should be sent to the donors for the gift, which was entirely a personal one.

Mr. ROWSELL said he took it that steps would be taken to see that there was no possibility of the gift disappearing, and that it would be insured.

Mr. MARNs asked whether Mr. Rowsell remembered the last inkstand.

Mr. ROWSELL replied that he did, but he knew nothing about its disappearance. (Laughter.)

BRITISH ASSOCIATION'S VISIT

The PRESIDENT referred to the visit paid to the Society's headquarters by a deputation from the British Association during the recent centenary celebrations. He had had the pleasure of receiving the deputation and conducting its members over the building. Afterwards Professor Perkins, of Leeds, an honorary member of the Society, proposed a vote of thanks, and this was seconded by Dr. Ashcroft, a pharmacist and also a medical man.

COUNCIL PRIZES COMPETITION

The secretary reported that eleven candidates had taken part in the examination, and stated the number of marks awarded. The following awards were made:—

Pereira medal, Horace George Rolfe.

Pharmaceutical Society's medal in silver, Elsie Winifred May Johnson.

Pharmaceutical Society's medal in bronze, Harry Noble.

EDUCATION COMMITTEE

The report of the Education Committee showed that a number of schools had been recognised for subjects needed in the Society's examinations. The committee stated that some months ago a *questionnaire* was sent round to all approved technical schools and schools of pharmacy with a view to obtaining information that might throw more light upon the causes of the low pass results in the Preliminary Scientific examination, and indicate further steps that might be taken to remedy them. The replies did not indicate any new direction in which action might be taken, but confirmed the remedies already decided upon or under consideration, such as a higher preliminary standard, an increased number of hours, and the institution of part-time day courses in place of evening courses. The question of part-time day courses was receiving the close attention of the Com-

mittee, and proposals to secure their establishment on as wide a scale as possible would be placed before the Council in due course.

Mr. PECK said they had had a long list of schools asking for approval. Careful consideration had been given to these, and particular attention had been paid to the subject of botany.

Mr. MARNs said with regard to the *questionnaire* he gathered from the report that the replies received did not indicate any new direction in which action might be taken to throw light on the subject of the low results of examinations. Had he to understand that in the compilation of the replies nothing was suggested that would be helpful in raising the number of passes in botany and bringing it more into line with other subjects?

Mr. PECK replied that he did not think the report was too happily phrased, but he felt it would be better for the matter to be dealt with at a subsequent meeting of the Council.

The report was adopted.

BENEVOLENT FUND COMMITTEE

The report of this Committee showed that thirteen applications had been received, and grants made ranging from £5 to £26. In an interim report the Committee stated that the secretary had submitted a statement showing the number of annuitants on the list last October to be forty-six, and that five had been added in December, making a total of fifty-one. Of these ten had since died, and one annuity had been cancelled, leaving on the list forty annuitants who were receiving a total of £1,800 per year. The Committee of the Fund now recommended that an election of eight annuitants on the Benevolent Fund take place on December 2, and that there be no contest for the eight places. The following special contributions were acknowledged:—Mrs. James Woolley, £5; West London Branch, £4 15s.; F. S. Rose, £3 3s.; Wolverhampton and District Chemists' Association, £3 3s.; M. Rogerson & Son, £2 15s.; Dunkley & Rogers, £2 10s.; C. W. Higgins, £2; Nottingham and District Branch, £1 12s.; J. E. Howard, 13s. 6d.; F. G. Holoran, 10s.; H. Osborne, 5s.; Sheffield Branch, £1 5s. 6d.; A. Wander, Ltd., £100.

Mr. BEARDSLEY made special reference to the gift from Messrs. Wander. The Committee, he said, were very gratified at the efforts being put forward, and would like to commend the fund to the branches. The coming winter session would probably be marked by considerable calls on the fund owing to the stress of difficult times, and he hoped the Committee would not have to deal too stringently with the cases that came forward through lack of funds.

Mr. MARNs, commenting on the money subscribed by means of weighing machines, suggested that a circular letter might be sent from the head office urging pharmacists that the money received for weighing machines should be put into boxes and sent to help the fund.

Mr. BEARDSLEY expressed appreciation of the suggestion.

The PRESIDENT said he would like to express gratitude to Messrs. Wander for their continued interest in the Benevolent Fund, and also to Sir Harry Hague, who had personally contributed handsomely to the fund. The report was adopted.

WAR AUXILIARY BENEVOLENT FUND

This Committee reported that since the last meeting they had received five applications, and grants had either been made or were now recommended ranging from £10 to £52. Mr. ANTCLIFFE submitted a statement showing the financial position of the fund, observing that they had a sufficient balance in hand to meet all reasonable demands. The report was adopted.

FINANCE COMMITTEE

The financial statement showed that receipts since the last meeting, including a balance of £77 4s. 5d., amounted to £12,614 4s. 10d., comprising the following items:—Subscriptions, £600 2s. 3d.; registration fees, £436 16s.; restorations and certificates of qualification, £2 2s.; examination fees, £5,027 8s.; School of Phar-

macy, £1,103 15s.; Pharmacological Laboratories, £266 13s.; penalties, £90 4s.; rents, £150; "Pharmaceutical Journal," advertisements, etc., £1,901 6s. 4d.; Quarterly Journal, £14 9s.; "Pharmaceutical Pocket Book," £34 12s. 10d.; Registers, £5 1s.; examination papers, £5 19s. 11d.; Pharmaceutical Press publications, £36 4s. 10d.; B.P. Codex, £179 17s. 3d.; "Forensic Pharmacy," £15 0s. 1d.; F.S.S.U., £27 8s. 11d.; transferred from deposit account, £2,550. Payments ordered at the last meeting amounted to £12,605 2s., leaving a balance of £9 2s. 10d. The balances on the other accounts were:—Benevolent Fund (current account), £30 13s. 3d.; Benevolent Fund (donation account), £36 11s. 10d.; War Auxiliary Benevolent Fund, £46 10s. 11d.; Orphan Fund, £5 11s. 10d. The report recommended that accounts amounting to £9,059 1s. 3d. be paid, and that the action of the secretary in making payments amounting to £1,895 5s. 2d. be approved. The report was adopted.

This was all the public business.

Opening of School of Pharmacy

The ninetieth session of the Society's School of Pharmacy was opened on the afternoon of October 7 in the examination hall at 16 Bloomsbury Square. The president (Mr. A. R. Melhuish) was in the chair, and the other occupants of the platform were Professor G. E. Gask, F.R.C.S., Dr. H. Thoms, Professor H. G. Greenish, Dr. W. H. Linnell, Mr. T. E. Wallis and Mr. A. H. Jenkin. The other members of Council present were (so far as we could ascertain) the vice-president (Mr. F. G. Hines), Mrs. Freke, Mr. H. Antcliffe, Mr. F. E. Bilson, Mr. T. Guthrie, Mr. T. Hardy, Mr. John Humphrey, Mr. Thomas Marns, Mr. E. Saville Peck and Mr. E. H. Simmons. The audience, which filled the hall, included Mrs. Melhuish, Mr. R. R. Bennett, Mr. J. H. Franklin, Mr. J. P. Gilmour, Dr. C. H. Hampshire, Mr. J. Rutherford Hill, Dr. F. W. Crossley Holland, Dr. David Hooper, Mr. H. N. Linstead and Mr. C. A. Noble.

The PRESIDENT (whose speech was punctuated by the tappings of workmen in the vicinity) welcomed those present, mentioning by name some of the distinguished visitors. He referred to the careers of Jonathan Pereira and Jacob Bell, whose lives he commended to the students as examples. After presenting some of the prizes, the president called on the Dean of the School to read his report.

DEAN'S REPORT

The report of the Dean of the School (Professor H. G. Greenish) stated that the total number of students enrolled in the School during the session was eighty-eight, sixty taking the course leading to the qualification of chemist and druggist, eleven for the first year of the two years' course for the degree of B. Pharm. and for the Pharmaceutical Chemist qualification, and seventeen for the second year of the two years' course. [The names of the prize-winners appear in the *C. & D.*, August 8, pp. 180 and 182, and on p. 456 of this issue.] The total entries for the School for the coming session are 102, the largest number since the rush years after the Armistice. This increase has necessitated the appointment of two extra demonstrators. Post-graduate successes have been attained by four members of the teaching staff. The relations of the School with the University of London continue to be most cordial. Arrangements have been made whereby all students entering the School for full-time courses become full subscribing members of the University of London Union, and will enjoy the advantages of meeting University students from other faculties on common ground. Non-matriculated students taking full-time courses at the School are now entitled to be recognised, if they so desire, as associate-students of the University.

The PRESIDENT, having completed the presentation of prizes, introduced Professor G. E. Gask, Dean of the Medical Faculty of the University of London. It was particularly appropriate, the president said, that Professor Gask should visit them, as the Society's School

was now recognised as a constituent school of the University. His visit gave him an opportunity of seeing what they were like and getting a little closer into touch with them. He called on Professor Gask to deliver his address, entitled:—

The Decline of Traditionalism

[ABSTRACT]

THE beginnings of medicine and pharmacy are lost in the mists of antiquity. Cardinal Newman put the question, which many before and after have asked: "Who first discovered the medicinal herbs which from ancient times have been our resource against disease?" Wells seems to answer this when he says, "Man was a biologist long before the dawn of history, classifying plants into edible and inedible." We find in the earliest Greek writings references to drugs which show the importance which even then was attached to them. The very word "pharmacy" is a Greek word, meaning the use of drugs. Homer, writing some 2,000 years ago, pays a high tribute to those skilled in the knowledge and the use of drugs. Here is the account of how Patroklos treated Eurypoles, who was sorely wounded by an arrow in the thigh: "He stretched him at length, and cut with a knife the sharp arrow from his thigh and washed from it the black blood with warm water. And thereon he cast a bitter root, rubbing it between his hands, a root that took pain away, and ended all his anguish, and the wound began to dry, and the blood ceased."

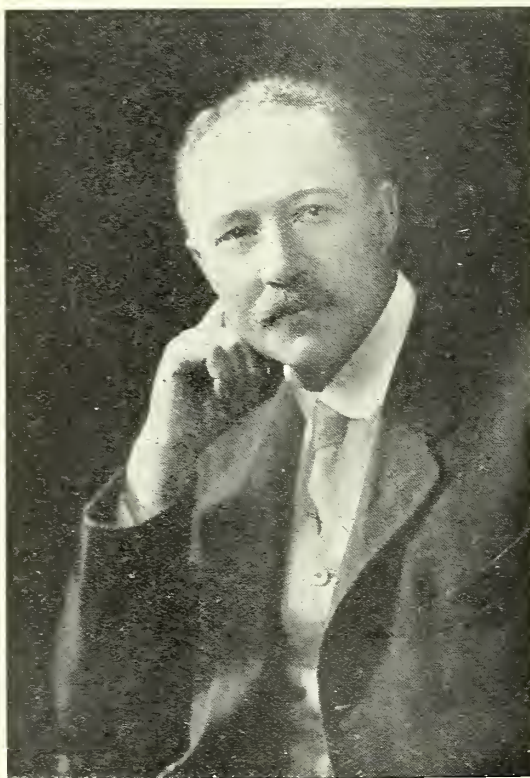
THE GREEK PERIOD

The vigorous and intellectual period of the Grecian Republic and the Hellenic Empire saw amazing developments of every kind. It was a period of immense curiosity which resembles closely the age we are living in now. Great discoveries in astronomy and mathematics, art and science, followed closely one on another with startling rapidity, and new worlds were opened up by daring geographical expeditions. Some of the descriptions of these expeditions appear curiously modern. Do you recall the one from which the explorers returned with gorilla skins, which they hung in their temples? Following these developments of natural science came the applied sciences, the latest of which is medicine. The name of Hippocrates is the greatest of all in the history of medicine. His doctrines, modified and enlarged perhaps, have ruled over medicine and pharmacy until quite recent times. Hippocrates belonged to the Golden Age of Greece, the age which produced Socrates, Aristotle, Alexander, Archimedes, and many other famous men. It was of this age that Robert Bridges, the late Poet Laureate, himself a doctor, wrote: "There is now no higher intellect to brighten the world than little Hellas own'd; nay, scarcely here and there liveth a man among us to rival their seers." I think it is this that the Dean of St. Paul's means when he says there has been little or no progress in the mental development of man during the last 2,000 years.

THE DARK AGES

The four centuries before Christ were years of exceptional educational and intellectual uplift, and it is

interesting to speculate what the state of man would have been had they persisted. The power of Greece declined at Rome rose. Then, as the vast Roman Empire conquered and harassed the known parts of the world, scientific pursuits were extinguished by centuries of war, and intellectual progress was smothered by circuses, feasts and indulgent living. The bright Grecian dawn faded away, and Europe was plunged into utter darkness. The light of learning was kept burning here and there by scholarly monks, and in isolated monasteries a few neglected manuscripts were preserved from the barbarians. What happened in the five or six hundred years after the fall of the Roman Empire is hardly known. We know that a school of medicine appeared at Salerno in Italy about 1100 A.D., and from here medical learning gradually spread to other towns in Italy, and then via France to England. But the medicine of this period was in no way the equal of that of the Grecian period. Men of the Middle Ages depended for their knowledge on a few and often inaccurate translations of the old masters. Education was traditional. Medicine was taught by inherited theories, not by observation and experiment. It is not for us to blame them. What wonder that, during centuries of strife when man laboured hard both to defend and feed himself, he had little leisure to devote to the pursuit of science? As an indication of the sort of pharmacy which reigned in England about the period of the Norman Conquest, look at some of the earliest accounts of pharmacy in the British Isles, which have been preserved in a book known as "Leechdom, Wortcunning and Starcraft in Early England," from which I quote the following:—"Against racking pain in the joints, pound tentwort with honey, or chew it, and lay it on. Again burn thoroughly the head bone or skull of a wolf and pound it small, sift it through a cloth, and put it in the wound."



PROFESSOR G. E. GASK, C.M.G., D.S.O., F.R.C.S.

THE RENAISSANCE

Here and there, however, appeared men who did devote themselves to science, men like Roger Bacon. A rapid advance in scientific observation occurred in the sixteenth and seventeenth centuries, periods remarkable for an increase in the number of men devoting themselves to science, and remarkable also for the beginning of experimentation. Medicine, however, was still groping in the dark, and if one may judge by the well-known description of the apothecary by Shakespeare in "Romeo and Juliet" pharmacy was no better off. In the eighteenth century great changes began to occur, indicating that scientific study was beginning to bear fruit, and important discoveries are recorded. Pharmacy of the nineteenth century was characterised by three great advances, namely, the discovery of alkaloids in its early years, of anæsthetics in its middle part, and of synthetic drugs in its later years. In this century pharmacy became an exact science.

Formerly, in many cases, the surgeons and physicians were responsible for buying their own drugs and for making them up. For instance, the surgeon to King Edward I, Master Philip de Beauveys, who lived in the Court and accompanied the King in his

campaigns, was allowed the sum of 40s. annually for the purpose of supplying diverse medical stores ("Liber Quotidianus Contrarotulatoris Garderobæ," Society of Antiquaries, 1787) for the use of members of the household who might be injured. There is a record also that in 1322, in the reign of Edward II, the King's surgeon, Master Stephen of Paris, had a number of drugs packed in "paniers" sent up from London to Newcastle by water for the use of the army. The total cost of the goods was £91 3s. 6d., and the stores themselves, called "drogueries and implastra," are specified minutely. They included 3 lb. of oxerocrosin, 3 lb. of dyataroscos, 6lb. of apostolicon, 2 lb. of Saunguys Draconis, and various other forms of ointment, of the nature and use of which I am ignorant.

THE ARCHIVES OF ST. BARTHOLOMEW'S HOSPITAL

I tried to find a book which would detail to me how this separation came about. Having failed to find one, I turned to the history of my own hospital, St. Bartholomew's, regarding it as a type of a London hospital which would probably reflect the current views of medical and pharmaceutical practice. This hospital has continuous records going back to 1547, when, after the suppression of the monasteries, the old foundation was re-opened by Henry the Eighth as a hospital. This hospital had three surgeons on its staff. They were paid a salary of £18 a year, with extra payment for special services, and it is clear that they found their own drugs and ointments, for which they received payment. Regular physicians were not appointed until 1567, and in this year an apothecary appears on the staff of St. Bartholomew's Hospital, by name William Weston. Apparently he was paid £16 12s. 4d. a year, out of which he had to pay for the drugs he used, known then as "pottecary ware." Weston soon after complained that he was not able to live on the wages he received, on account of the increasing number of patients coming to the hospital and the increasing number of drugs he had to provide for their use. It is regrettable to have to record that William Weston, our first apothecary, was discharged for inattention to his duties. In 1589 the salary of his successor had to be raised to £38 3s. a year. Early in the seventeenth century the need of an apothecary's shop within the hospital seems to have become apparent. It seems probable that the Governors of the Hospital had the power of going round and examining the condition of the drugs in the shops of the apothecaries, grocers, spicers or pepperers, who supplied the hospital, and had the right to arrest those whose drugs were found in bad condition. This, however, did not content the Governors, and in 1614 they established an apothecary's shop, the precursor of our present dispensary, "so that the poore might be the better provided with good drugs and ointments." The charges for furnishing this shop are still preserved, and one of the original items, bought at a cost of £3 15s. 3d., namely a big brass mortar and iron pestle, still stands in our dispensary. It was also laid down that part of the duties of the apothecary should include "probinge of the druggs and other things belonging to the poore in the hospital,"—that is, the apothecary had to examine and to test the drugs to see that they were of proper quality. A year later, 1615, the expenses in connection with the apothecary are noted to be £105 12s. Fifty years later we find that the accounts of the apothecary's shop had grown so much that they were placed in a separate ledger, and amounted to £396 12s. a year.

PHARMACOPOEIAS

About this time, 1670, the first of our Hospital Pharmacopoeias was produced, to be followed rapidly by others. In the early part of the eighteenth century a remarkable reformation in English pharmacy occurred. This reformation appeared between the years 1721 and 1746, which mark the publication of the fourth and fifth editions of the London Pharmacopoeia. I quote now a reference to the period by Sir William Church (St. Bartholomew's Hospital Reports, 1884-1886):—"Pharmacy up to that date had followed the old traditional lines, which had been adhered to from

the days of Hippocrates, Galen, and the Arabian physicians; the learned colleges had never had the courage to break away from the superstitious element which had played so great a part in the medicine of the Dark Ages." It is worth while looking at two or three of the chief items used in the hospital dispensary 100 years ago. Magnesium sulphate came into common use about the beginning of the nineteenth century, and replaced the purgative waters of the neighbourhood of London, notably Streatham and Islington, which were so freely used in the previous century. In 1836 the consumption of magnesium sulphate at St. Bartholomew's Hospital was 26 cwt. a year, and in 1876 it had risen to 43 cwt. The consumption of linseed meal for poultices, the use of which began some 150 years ago, was over 8 tons in 1836, and by 1885 had reached the enormous amount of 15½ tons. The use of linseed meal slowly declined after the introduction of antiseptics by Lister, and has now almost completely disappeared. From reading contemporary novels we are familiar with the fact that blood-letting was prevalent and fashionable in the early part of last century, but it is almost impossible to believe that in the year 1837, the year Queen Victoria began to reign, we used in the hospital 96,300 leeches. When we consider that leeches were but one way of letting blood, and that we had consulting cuppers and assistant cuppers, we may well believe that our grandfathers were a full-blooded race.

Apothecaries remained on the staff of St. Bartholomew's Hospital from 1567 to 1867—that is, for 300 years. It is quite clear that at some period of the time they were responsible not only for the drugs, but also for the treatment of patients. Thus, in 1757, it was noted that the apothecary was seeing about 250 out-patients a day, while the physicians and surgeons were attending to the in-patients. The office of apothecary to the hospital was finally abolished in 1867, when in his place four house physicians were appointed. Up to that time, Mr. Wood, who was the last apothecary, performed the duties in the Out-Patient Department which are now performed by some twenty-five resident officers. It is handed down by tradition that Mr. Wood was exceedingly clever in rapid and facial diagnosis, and that he never overlooked a serious case which required urgent operation. It has been told me by some who knew him that his method of work was as follows: He stood on a chair in the Casualty Department with a number of tickets for medicine in his hand, and he called in a loud voice—"All those who have a cough, stand up," and these received tickets for cough-medicine. He would then call—"All those who have stomach-ache, stand up," and they would receive likewise a ticket for the appropriate medicine, and so on until he had emptied the surgery.

The reasons why the office of apothecary was abolished remain obscure, but it is clearly associated with a movement to improve and regularise the position of chemists and druggists, who were gradually becoming dominant in pharmacy. This led to the foundation of the Pharmaceutical Society of Great Britain. It is easy for us now, on this ninetieth anniversary of the foundation, to realise that the action taken by our predecessors was a wise one. The Pharmaceutical Society and the School of Pharmacy have flourished abundantly, and have placed British pharmacy and British pharmacists on a plane of which we are justly proud.

A CHANGING WORLD

This brief retrospect of the Society and of the School shows the great changes that have occurred in the world of pharmacy. These changes and improvements are not confined to pharmacy, but have occurred in every walk of life, and especially in science. These same advances, of which we are justly proud, bring, however, in their train certain obligations on the succeeding generations, which cannot be ignored. Your Council has been successful in obtaining a degree in the University, or in other words, raising the teaching of pharmacy to a University standard, and your Dean is now desirous that an increasing number of students of this School should become graduates of the

University and take the degree of Bachelor of Pharmacy. An argument often raised against a University career is that taking a degree does not make a man a better doctor or a better chemist, that a string of letters after a name, and the right to wear a gown with a pretty hood, does not mean that the individual will succeed better in practice than one without these frills. There may be a certain amount of truth in this, but it is a superficial view, and you should examine the question rather more deeply.

THE DEMANDS OF PROGRESS

I have tried to show that in the past ages progress was slow, and for hundreds of years the mind of man was fettered by tradition. That time is passing, the pace is becoming hot, and corresponding changes are inevitable if one does not want to be left behind. Rapid as were the advances of the nineteenth century, they seemed likely to be eclipsed by the achievements of this twentieth century. The biochemist, the physicist and the bacteriologist are daily contributing to our knowledge of the healing powers of nature, and the student of to-day is expected to have a competent knowledge of vitamins, vaccines, and physiological and physical processes which were undreamt of by our fathers. To keep pace with these advances, the student of pharmacy needs to be educated on professional lines. It is easy for us all to realise that the times in which we are now living are unusual. The population of England and the population of the world has increased, and is increasing enormously. There is general unrest, values are changing and thought is changing, and no one is able to predict what is in store. Some people think that we are nearing the end of this phase of civilisation and that the world will be plunged into chaos. Personally, I do not hold that view, but think that we are passing through a period of transition which will precede even greater advances than were witnessed during the last century. Whatever view is held, however, it seems to be quite clear that the conditions of the present day do not favour a stereotyped unprogressive civilisation. We are passing into a new world, unknown to tradition, to meet the requirements of which we need readjustment of thought, inventiveness, and repeated criticisms of ourselves and our institutions. I can think of no better preparation than that given by a liberal education. Education is a training of the mind to study, observe, deduce, and experiment, and lays the groundwork of those lasting powers which will open the gates to the great adventures in life. The human mind is no longer fettered by traditionalism. A new vision and fresh fields of thought are open to all. This school has stood for ninety years, and had done its work faithfully. To-day we wish it "Many happy returns," and express the hope that each recurring birthday will be a record of increasing fruitfulness.

Vote of Thanks

Mr. R. R. BENNETT, proposing a vote of thanks to Professor Gask, said he was sure he would not be accused of exaggeration or flattery if he said they had listened with the most intense interest to Professor Gask's admirable address. They had listened to an able, masterly and scholarly address upon a subject which had been of the greatest possible interest to them all. He knew that the president, like himself, was gratified to see in the back benches a goodly number of the younger generation, and he was quite certain that the address had been just as inspiring and stimulating to them as to the older persons present. He wished to congratulate the Society on having persuaded Professor Gask to attend that function and to give such an address. (Applause.)

Mr. HINES, vice-president of the Society, seconding, said both Mr. Bennett and he were old students of the school. They were very proud of their old school, and felt certain that the young folks would maintain its traditions. They were also proud that the school should have attracted a long line of distinguished men to give them the benefit of their experience and their knowledge.

(Hear, hear.) At any rate, they were pleased to have with them a man of the calibre of Professor Gask. (Applause.)

Hanbury Medal Presented

The PRESIDENT introduced Professor Thoms. There were no boundaries to the domain of science, he said. Professor Thoms was a very distinguished worker, whose name was known not only in his own country but over the whole world, and he (the President), had been given to understand that at one or two recent conferences he had received intimations of that in no uncertain manner. Professor Thoms was the twenty-third recipient of the Hanbury Gold Medal. He qualified as a pharmacist in the University of Jena as long ago as 1884, and had been not only a professor but also a teacher. This was not his first visit to the Pharmaceutical Society, for he (the president) believed that forty years ago he had been present on the occasion of the celebration of the Society's Jubilee, when Mr. Greenish, father of Professor Greenish, was the occupant of the presidential chair. Professor Thoms, who was then the president of the German Pharmaceutical Society, came over with his tribute to his British colleagues. The purpose of his present visit was to receive perhaps the highest tribute that could be conferred by British pharmacy.

After referring to the worth and work of Daniel Hanbury, the President said it was some twenty-six years since the medal had been presented to one of Professor Thoms' countrymen. They were all pleased to see Professor Thoms from the point of view of science and the community of interest of pharmacy. In the community of interest among the nations it might well be that the settlement of the problem of world unrest would be brought about. (Applause.)

Professor THOMS, after a brief expression of thanks in German, said: It is evidence of a high state of culture and noble sentiments when a nation keeps the memory of its great sons alive. In this respect England has always been an example to all other countries. Daniel Hanbury belongs to those great men who have contributed in the highest degree to the scientific knowledge, not only of their own country, but of the whole world. When that classical volume, "Pharmacographia," the work of Hanbury in collaboration with his friend Flückiger, appeared, it was recognised in all civilised countries that in Hanbury an earnest and able investigator had arisen who had raised the knowledge of drugs to a science, and had made pharmacognosy an important member of the group of natural sciences. The Pharmaceutical Society of Great Britain, in whose School of Pharmacy Hanbury was a student, may count it a high honour that Hanbury, who soon attracted the attention of learned societies, was one of their members. When the Pharmaceutical Society celebrated their jubilee in 1891, I had the honour to take part in the meeting as representative of the German Pharmaceutical Society. On that occasion the Hanbury gold medal was presented to Dr. O. Hesse of Feuerbach for his scientific services in the investigation of alkaloids, and I shall never forget that solemn and impressive ceremony. I myself have now the honour of standing in the same place and of receiving from you, Mr. President, in the name of the Pharmaceutical Society, the coveted Hanbury medal. I beg of you to accept my sincerest thanks for this high distinction which is the source of the greatest satisfaction, not only to me personally, but to my country, and gives the most definite proof that science knows no bounds but is the common property of all nations.

Your Society has always shown itself ready to work in friendly collaboration with my country for the advancement of science. For that also, Gentlemen, I must offer you my heartiest thanks. May the scientific efforts of your Society be crowned with success in the future as in the past, and may they continue to contribute to raising the status of pharmacy in all civilised countries.

Professor THOMS asked the President's acceptance, on behalf of the Society, of a medallion in copper, and the PRESIDENT said it would be a treasured memento of the Professor's visit that day.

This ended the proceedings.

Retail Pharmacists' Union

Executive Meetings

MEETINGS of the Executives of the Retail Pharmacists' Union and Chemists' Defence Association were held at 4-5 Queen Square, London, W.C.1, on September 29, Mr. W. H. Clubb in the chair.

LIQUID PARAFFIN

The attention of the Executive was directed to the necessity for some information being given to members regarding the quality of liquid paraffin which is being retailed at very low prices. The Executive decided that a note should be published stating the necessity of paying attention to the viscosity as well as the specific gravity of liquid paraffin, and also warning chemists against lowering present prices in view of the probable increase in cost prices due to present international conditions.

THE ECONOMY "CUT" (N.H.I.)

The secretary reported that the circular letter which had been sent out to every chemist on the panel regarding the economy "cut" had been well received. A letter was sent to the Minister suggesting that the Executive should have information regarding the "cuts" made in other sections of the N.H.I. administration. On September 21 the Minister sent a copy of the letter he had addressed to Dr. Anderson. The following are the principal passages:—

Central Administration.—The officials of all grades in the Ministry are to suffer appreciable reductions in their remuneration. . . . The whole administrative organisation of the Ministry is under review, and a reduction of the staff is being effected.

Insured Persons.—The third valuation of the approved societies, which has just been completed, has resulted in a reduction of £6,000,000 in the aggregate disposable surplus as compared with the previous valuation. As a consequence, the additional benefits to insured persons are now being reduced on the average by 20 per cent. . . .

Approved Societies.—Approved societies are not allowed to be carried on for profit; all savings must enure to the benefit of the members; there is no fixed allowance paid to approved societies for administrative purposes. The Minister has made an independent exploration of the position, and he has come to the conclusion that, having special regard to the increased expenditure which is now being imposed upon many societies in connection with sick visiting, the use of medical referees, and the supervision of claims for benefit, a reduction in the present rate of the maximum allowance would ultimately result in an appreciably larger number of societies having to make levies upon their members in order to defray deficiencies in their administrative accounts. . . .

Dentists.— . . . The scale governing the payment of insurance dentists was revised as recently as July 1930, when a reduction of about 7 per cent. was accepted by the dentists, and an agreement was entered into between the dentists and the societies that the scale shall remain in force for a period of six years. . . . It is impossible to apply to dentists the principle which is to be applied in the case of medical benefit, namely, that any saving effected by a reduction of the remuneration of the practitioners should be used as an appropriation in aid towards the cost of central administration. . . .

Ophthalmic Benefit and Opticians.—This benefit is also an additional benefit, and much of what has been said above with regard to the finance of dental benefit applies also to ophthalmic benefit. . . .

Hospitals, Convalescent Homes and Other Kindred Additional Benefits.— . . . After a careful review of the position in regard to the various additional benefits specified under the last three headings, the Minister had regretfully come to the conclusion that even if some further scaling down in the rates of payment were possible, it would be impracticable to transfer any savings thereby effected from insured persons to the Exchequer.

Insurance Committee's Administration.—The Department is making a close scrutiny into the administrative expenditure of Insurance Committees.

After consultation with the British Medical Association, it was agreed that both organisations should communicate with the Minister of Health. A reply was

received agreeing to a reduction in the chemists' "cut" from one-ninth to one-tenth of that portion of the drug fund allocated for fees.

REVOCATION OF CLAUSE 4 (4) OF THE TERMS OF SERVICE

A report was received stating that consequent upon representations made to the new Minister of Health, an assurance had been received that the clause would not be revoked by the present Minister during his tenure of office.

C.D.A. Affairs

The secretary reported that of the six cases outstanding since the last meeting, three had been settled as follows:—(1) Bottle of perfume cracked during removal of stopper; claim settled by payment of 10s. 1d. (2) Injuries caused by coping-stone falling; claim settled by payment of £10 10s. (3) Injuries caused by cycling errand-boy; claim settled by payment of £20 and £5 5s. costs. Thirteen new cases had arisen during the month of which seven had been settled:—(1) Accumulator damaged owing to wrong strength acid supplied; claim settled by payment of 4s. 6d. (2) Lambs died after dose of husk remedy; claim settled by payment of £4. (3) Films spoiled during development; claim settled by payment of £1 1s. (4) Damage to car by cycling errand-boy; claim settled by payment of £2 12s. (5) Bicycle and perambulator damaged by cycling errand-boy; claim settled by payment of £2 5s. (6) Personal injuries and damage to clothing caused by fall over weighing machine; claim settled by payment of £7 10s. (7) Coat torn on member's window frame; claim settled by payment of 5s. 6d. The secretary's report on police-court cases was also presented.

Window Dressing

WINDOW DRESSING, which is one of the best means of advertising goods, has become almost a profession, and in large centres a competent window dresser can command a good salary. As a shop is so frequently judged by the appearance of its windows, all displays should be clean, attract favourable attention, create interest, compel a desire to possess, and encourage sales. The shop entrance should be on a level with the pavement; such an entrance invites people to enter.

It is important to have the windows well lighted, and to make sure that the light shines on the goods and not in the eyes of those who look at the display. People will see them at night when their minds are free from the cares of the day, and are more open to suggestion.

Fixtures should be kept as inconspicuous as possible. The more simple the display is the more definite the impression it leaves. I remember once dressing a chemist's window for extract of malt sales, and used bunches of barley as a background, with a suitable shade of crêpe paper. It proved a very effective show and sold the goods. The same idea can be used in the sale of such perfumes as violet or lavender water, using the flowers or lavender spikes in abundance and suitable crêpe paper.

In dealing with "bonus" goods it is well to make a display simultaneously with the manufacturers' advertising; therefore, the newspapers should be carefully watched. Change displays frequently. A window for perfumery should have an air of quality and refinement, which will appeal to women who buy expensive perfumes. I have found it useful when concentrating upon such a perfume as violets, to dress the window with artificial violets, using white crêpe paper as a background. Avoid freak displays that crowd the pavement, but bring in no customers. Don't have more than one showcard in your window; too many confuse and don't produce a definite message. Finally, it is well to remember the following simple rules in window dressing:—Be careful of little things; avoid straight lines; conceal your fixtures; don't scatter the goods; let them suggest one big idea.—(F. M. 7/8.)

Insurance Act Dispensing

Panel Chemists and National Economy

The National Economy (National Health Insurance) Order, 1931 (S.R. & O., 1931, No. 873: Stationery Office, 1d.), makes provision for effecting economies in the expenditure to be defrayed out of the Consolidated Fund in respect of various National Health Insurance matters in England and in Scotland, including the remuneration of panel practitioners and that of persons supplying drugs or appliances. The administration of the Order is carried by the Minister of Health and the Scottish Department of Health in the two respective areas.

We have received the following communication from Mr. G. A. Mallinson, secretary of the Retail Pharmacists' Union:—

The following correspondence passed between the R.P.U. and the Ministry of Health regarding the Government's concession to teachers and the defence forces in connection with the economy "cuts."

September 22, 1931.

Sir Arthur Robinson, G.C.B., C.B.E.,
Ministry of Health, Whitehall, S.W.1.

DEAR SIR ARTHUR,

With reference to the Government's concession to teachers and the defence forces in connection with the economy "cuts," we understood that there was no question of negotiation in regard to these economies: it was a case of "must" on the part of the Government as well as ourselves. Under that belief and wishing to help the Government at such a difficult time, we, on behalf of chemists, loyally accepted the Government's proposal.

May I point out that the 15 per cent. cut for teachers and other classes was off their "net" remuneration, whereas ours is off the "gross" remuneration, and, therefore, although their "cut" is now apparently only 1 per cent. lower than ours, in fact, the difference is much greater. My Executive meet next Tuesday, and I should be obliged if, before that day, you could let me know if the "cuts" on doctors and chemists are to be revised. I am sure my Executive would not wish to embarrass the Minister of Health or the Government in any way, but I know they will expect a statement in regard to the new position which has been created by the changes made in the Economy Bill proposals.

Yours faithfully,

Sgd. G. A. MALLINSON, Secretary.

Ministry of Health, Whitehall,
September 24, 1931.

G. A. Mallinson, Esq.

DEAR MR. MALLINSON,

I have laid your letter of September 22 before the Minister of Health, and I am instructed by him to send to you the enclosed copy of a letter which he has addressed to-day to the Insurance Acts Committee in regard to the temporary reduction in the capitation fee of insurance practitioners. The observations made in this letter apply equally to the chemists rendering service in connection with national health insurance, and the Minister proposes that the reductions in their case should also be ten per cent.

Yours very truly,

Sgd. W. A. ROBINSON.

The effect of the Minister's communication to the Insurance Acts Committee of the British Medical Association is that the doctors' "cut" has been reduced from one-ninth to one-tenth; this change applies to chemists also. The chemists' "cut," therefore, is now one-tenth of the proportion of the drug fund allocated for fees.

Local Reports

ENGLAND AND WALES

Liverpool.—At a recent meeting of the Liverpool Insurance Committee, a member asked why the Pharmaceutical Service Subcommittee had thought it sufficient to censure a firm of chemists for a 12-per-cent. deficiency

in one of the ingredients in a mixture dispensed and analysed, when the firm had in previous cases been subjected to penalties. Mr. W. H. Clubb replied that a representative of the chemists explained that the shortage occurred in Epsom salts, which was kept in a cask in a shed. The salt readily absorbed moisture from the air. As the shortage was not likely to cause any great detriment to the medicine, the Subcommittee thought a censure would meet the case.

London.—A meeting of the London Pharmaceutical Committee took place on September 22, Mr. G. B. Barnard (chairman) presiding. A letter was received from the Retail Pharmacists' Union giving information regarding the arrangements made recently with the Ministry of Health for a deduction from chemists' remuneration commencing on October 1. Comparative figures for the first six months of the years 1930-1931 were as follows:—

	1930	1931
Total number of prescriptions	4,239,502	4,597,646
Cost of ingredients	£58,396 16s. 5d.	£61,445 6s. 4d.
Dispensing fees	£76,945 9s. 2d.	£84,491 11s. 8d.
Average cost of ingredients	3.31d.	3.21d.
Average dispensing fees	4.55d.	4.41d.
Total number of persons on list	1,887,804	1,912,014
Average number of prescriptions per person	2.25	2.40
Average cost per person	17.21d.	18.32d.

The secretary reported that steps had been taken by the Panel Committee with a view to securing the inclusion of Benedict's solution in the list of drugs specified in the distribution scheme. The report was adopted. The Pharmaceutical Service Subcommittee reported particulars of sixteen cases dealt with.

SCOTLAND

Drug Accounts Committee

The report on the work of the Drug Accounts Committee (Scotland) covering the year 1930 states that the prescription-forms which were priced and scrutinised on behalf of the fifty-four Insurance Committees in Scotland for the year numbered 2,760,669, a reduction of 164,933 on the number for the year 1929. The number of accounts in respect of the year 1930, which were prepared by the Central Checking Bureau, for drugs and appliances supplied by panel chemists to insured persons in the twenty-three burgh areas and the thirty-one county areas totalled 24,347, an increase of 301 over the previous year's number. The following comparative statement shows the number, value, and average price per prescription for selected years:—

Year	Number of forms	Value	Average price per form	Average cost per form for pricing and scrutinising
		£ s. d.	d.	d.
1915 ..	2,220,219	90,182 10 3	9.74	0.3450
1920 ..	2,100,895	144,467 18 9	16.50	0.4188
1924 ..	2,743,847	161,219 1 7	14.10	0.3230
1926 ..	2,760,057	154,959 2 5	13.47	0.3500
1927 ..	2,748,779	151,739 0 9	13.24	0.3623
1928 ..	2,655,737	147,328 5 8	13.31	0.4017
1929 ..	2,925,662	160,424 7 3	13.15	0.3650
1930 ..	2,760,669	151,842 5 1	13.20	0.6754

The number of forms postponed and the value of insulin are not included in the above totals. The higher average cost of pricing and scrutinising during last year is accounted for by including the cost of acquiring and fitting the new premises to which the Committee removed in December. A reference to the pricing undertaken at the request of the Government of Northern Ireland shows that for the three months October-December 1930 the number of chemists' accounts dealt with was 1,101, comprising 183,615 prescription-forms of the total value of £11,838, an average of 15.47d. each.

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, October 8

THE volume of business transacted this week has been smaller than in the previous week, but there is still a very fair amount doing. Values of some imported products which were advanced now have a tendency to move back a little with the improvement in sterling. It seems that the peak of the market has been passed for the time being and future movements will largely depend on rates of exchange, and whether other nations come off the gold standard, which is not an outside possibility in at least three instances. Buyers seem to have covered their requirements for the time being, and except for the movements in rates of exchange the markets are likely to be rather subdued until after the general election. In pharmaceutical chemicals the anticipated advance in prices of products drawn from the Continent has been confirmed, and is about a 20 per cent. advance on the old values. In most instances prices for Continental British Convention products are nominally unchanged, with the home makers maintaining their former rates and the Continent not competing. Bismuth salts are again dearer. In crude drugs business has been much quieter with spot prices about level and rather easier conditions for shipment in some instances. Menthol is much easier forward. In essential oils a moderate business has been done, but the market is not so strong as during the previous week. Japanese dementholised peppermint oil has weakened for shipment. Industrial chemicals experienced good business for a time, but matters are now rather quiet again. Prices for all Continental products have advanced. Red and White lead Convention prices have been advanced. There has been a good business in fixed oils, but here again the markets were much slower at the close. Quotations continue without engagement.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par.	Oct. 8	Value of the £
Amsterdam	Fl. to £	12.107	9.60	15.10½
Berlin	Mks. to £	20.43	16½	16.3½
Brussels	Belga to £	35	27½	15.10
Copenhagen	Kr. to £	18.159	17½	19.3
Hank	Esc. to £	110	109½	19.11½
Madrid	Ptas. to £	25.22½	43	34.6½
Milan	Lire to £	92.46	7½	16.3
Montreal	Dol. to £	4.86½	4.36½	17.11½
New York	Dol. to £	4.86½	4.36½	15.11½
Oslo	Kr. to £	18.159	17½	19.3
Paris	Fr. to £	124.21	9½	15.1½
Prague	Kr. to £	164.25	130	15.16½
Stockholm	Kr. to £	18.159	16½	18.7
Vienta	sch. to £	34.54½	31½	18.2½
Warsaw	Zloty to £	43.3+	33-37	18.1½
Zurich	Fr. to £	25.2215	16½	15.7½

Bank rate 6 per cent.

Pharmaceutical Chemicals, etc.

ALTHOUGH quotations continue to show considerable disparity, it is possible this week to record approximate spot values in many products. These new figures show a sharp advance, averaging fully 20 per cent. on the old rates for imported products. Home makers' prices have also been put up in those cases where the depreciation in sterling has affected their cost of production. Business, although somewhat quieter at the close, has been, on the whole, very satisfactory. The tone throughout is very steady.

ADIPIC ACID.—Prices have been advanced to about 1s. 6d. per lb. for edible quality in minimum one cwt. lots, carriage paid.

AMIDOPYRIN.—Prices have been advanced about 20 per cent. on the old rates and are subject to revision: crystals, five cwt., 14s. 3½.; two cwt., 14s. 6½.; less than two cwt., 14s. 9½. per lb., with powder 1½d. per lb. extra.

ASPIRIN.—Makers' prices are enlarged, but it is understood sales are restricted, with no desire to accept distant contracts; foreign offers not competitive. Home traders: ten cwt., 2s. 7d.; five cwt., 2s. 8½.; one cwt., 2s. 6½d.; 25 lb., 2s. 9½.; 14 lb., 2s. 10d.; 5 lb., 3s.; 1 lb., 3s. 4d. per lb.

BABY TONE.—Dearer, with the spot price about 3s. 6½. to 10s. 3½. per lb. as to quantity.

BISMUTH SALTS.—Convention prices show a further advance and continue to be quoted without engagement.

	8 lbs. and under 28 lbs.	28 lbs. and under 1 cwt.	Not less than 1 cwt.
	Per lb.	Per lb.	Per lb.
	s. d.	s. d.	s. d.
Carbonate	8 6	8 0	7 9
Citrate	9 11	9 5	9 2
Nitrate cryst.	5 10	5 4	5 1
Oxide	11 19	11 4	11 1
Salicylate	5 6	5 0	7 9
Subchloride	11 6	11 0	10 9
Subgallate	8 1	7 7	7 4
Subnitrate	7 3	6 9	6 6

A rate of 3d. per lb. will be allowed on sales of not less than two cwt. either for prompt delivery or on contract, provided delivery is completed or paid for within three months. Liquor Bismuth P.B. in W. cts., 2s. 2d. per lb.; 5 W. qts., 1½d. per lb.; 12 W. qts., 10d. per lb.; 36 W. qts., 4½d. per lb. Previous notification of price alteration was on September 23.

BROMIDES.—Home makers' prices show no change from the advances recorded last week. Continental offerings are nominal at higher rates, at minimum five cwt. and over, 1s. 6d.; one cwt., 1s. 7d.; less than one cwt., 1s. 10½.; potassium B.P. crystals and granular five cwt. and over 1s. 3½.; one cwt., 1s. 4½.; less than one cwt., 1s. 7d.; sodium B.P. five cwt. and over, 1s. 5½.; one cwt., 1s. 6½.; less than one cwt., 1s. 8d. per lb., and slightly less for large bulk quantities.

CALCIUM.—Dearer and rather irregular on quotations: pure alkaloid 7s. 6½. to 7s. 9½. per lb.; citrate, 5s. 10d. to 6s. 3½. per lb.

CALCIUM LACTATE.—Quoted on spot terms 1s. 2½. to 1s. 4½d. per lb. as to quantity.

CHLORAL HYDRATE.—Home makers' prices are reported unchanged. Continental nominal, duty paid crystals 2s. 1½d. to 3s. 1½d. per lb. as to quantity and packing.

CITRIC ACID B.P. CRYSTALS.—Continental material is now quoted in bulk quantities at from 1s. 10½. per lb., less 5 per cent. carriage paid. British makers quote 1s. 6½d. per lb., less 5 per cent. discount, without engagement.

COCAINE.—Home makers report their prices are so far unchanged: hydrochloride 25 cwt., 20s. 11d.; 16 oz., 21s. 7½. and less 22s. 3d. per oz.; pure 22s. 11d. up to 24s. 4½. per oz.; 1 oz. tins, 2½d. extra.

CREMOR OF TARTAR.—A further advance in prices is recorded for Continental material, with prices ranging from 9½d. 6½. to 9s. 6½. per cwt., less 2½ per cent. carriage paid. British makers quote 9s. 9d. to 10s. 0 per cwt., less 2½ per cent. discount, without engagement.

CREOSOTE B.P. is now offered on spot in the region of 2s. per lb.

ETHER (ETHYLATED).—No change in makers' prices has been reported, they were formerly fixed up to the end of the year.

FERRI QUININE CITRATE.—Makers notify a advance in their prices, which continue without engagement: 100 cwt., 6s. 2½d. per oz. in 100 oz. tins, 9½d. per oz. in 25 oz. tins, 1½d. per oz. in 16 oz. tins, 10d. per oz. in 8 oz. tins, 1s. 2½d. per oz. in 4 oz. tins, 1½d. per oz. in 1 oz. tins, 1s. 2½d. per oz. in ½ oz. tins, 1½d. per oz. note for smaller quantities, usual terms.

GUAIACOL CARBONATE.—Dealers' prices are dearer at 6s. 6½. to 6s. 8d. per lb. as to quantity.

HEXAMINE.—The market shows a further advance, with dealers now quoting 2s. 1½d. to 2s. 3d. per lb. as to quantity.

HYDROQUINONE.—All prices have been advanced 8d. per lb. on the old rates as a temporary arrangement pending further adjustment, if necessary: ten cwt., 3s. 11½d.; five cwt., 4s. 0½d.; two cwt., 4s. 1½d.; one cwt., 4s. 1¾d.; 56 lb., 4s. 2¾d.; 28 lb., 4s. 4¾d.; 14 lb., 4s. 6½d.; 7 lb., 4s. 8½d.; 1 lb., 5s. 3d. per lb., carriage paid.

IODIDES.—Prices have been revised twice this week, and the following rates are now operating. All quotations are given without engagement:—Potassium iodide, B.P.; 1 cwt., 20s. 9d.; 28 lbs., 21s.; 14 lbs., 21s. 3d.; 7 lbs., 22s. 3d.; 4 lbs., 23s.; smaller quantities, 23s. 9d. per lb. Sodium iodide, B.P.: 28 lbs., 23s. 6d.; 14 lbs., 24s.; smaller quantities, 24s. 6d. per lb. Iodine resub., B.P.: 1 cwt., 24s.; 28 lbs., 24s. 3d.; 14 lbs., 24s. 3d.; smaller quantities, 25s. 3d. per lb. Iodoform, B.P., cryst. precip. or powder: 28 lbs., 26s. 9d.; 14 lbs., 27s. 3d.; smaller quantities, 28s. per lb. In quantities not less than one cwt. (which may be taken assorted) containers of 28 lbs. and outer packages are free. Carriage paid. Iodides will be invoiced at the rates current on the day on which the order is received, or on the date of dispatch, whichever may be the lower.

LACTIC ACID (B.P.).—Home makers have not notified any change in their prices; Continental offers withdrawn: one to 99 ks., 1s. 5d.; 100 to 499 ks., 1s. 4½d.; 500 to 999 ks., 1s. 4d.; 1,000 to 4,999 ks., 1s. 3½d.; and 5,000 ks. and over, 1s. 3d. per lb., in 50 ks. carboys, carriage paid.

MERCURIALS.—Home makers' prices are unchanged at last week's advances, and are without engagement.

	Under 112 lb.	Not less than 112 lb.
	Per lb. s. d.	Per lb. s. d.
Ammoniated lump, B.P. (white precip.)	7 6	7 5
powder	7 7	7 6
Bichloride lump, B.P. (corros. sub.)	7 6	7 5
powder, B.P. or granular	6 9	6 8
Chloride, B.P. (calomel)	8 1	8 0
Red oxide cryst., B.P. (red precip.)	9 5	9 4
levig., B.P.	8 11	8 10
Yellow oxide, B.P.	8 8	8 7
Persulphate white, B.P.C.	7 10	7 9
Sulphide black (hyd. sulph. cum sulph. 50 per cent.)	8 3	8 2

Special prices for larger quantities.

METHYL SALICYLATE (B.P.).—Home makers' prices are very steady: one ton and over, 1s. 4½d.; five cwt., 1s. 4¾d.; one cwt., 1s. 5d.; and smaller quantities, in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Prices have been advanced 20 per cent., making them about as follows: two cwt., 15s. 1d.; one cwt., 15s. 7d.; 56 lb., 16s. 1d.; small parcels, 16s. 7d. per lb., subject to further revision.

METOL.—Prices have been advanced: 28 lb., 7s. 9d.; 14 lb., 8s. per lb.

MOLYBDATES.—Makers notify an advance in their prices for acid and ammonium molybdate as follows: 56 lb., 6s. 3d.; 28 lb., 6s. 6d.; 7 lb., 6s. 9d. per lb.; packages extra. Quoted without engagement.

PHENACETIN.—Prices have been advanced about 20 per cent. on the old Convention rates, making current values approximately: crystals, five cwt., 4s. 6d.; two cwt., 4s. 6½d.; and less, 4s. 8d. per lb., with powder 1½d. per lb. extra, subject to revision.

PHENAZONE.—Current values show an advance of 20 per cent. on former Convention rates and are about as follows: crystals, ten cwt., 7s. 7d.; five cwt., 7s. 9d.; two cwt., 7s. 10½d.; and less, 8s. per lb., with powder 1½d. per lb. extra, subject to revision.

PHENOLPHTHALEIN.—A new home source of supply is reported, with prices at present as follows, without engagement: 10 cwt., 4s. 9d.; one to two cwt., 5s. per lb.

POTASSIUM PERMANGANATE (B.P.) has advanced and is now quoted from 6½d. to 7d. per lb. as to quantity.

POTASSIUM SULPHOGUAIACOLATE is quoted by dealers in the region of 4s. per lb.

QUININE SULPHATE.—The price is liable to fluctuate daily, within about the limits of 2s. 1d. to 2s. 2d. per oz. for quantities. Some dealers are offering at 40 cents (American) per oz., which on current rate of exchange is approximate to the above rates.

U.S. imports for July totalled 81,120 oz., valued \$29,057, all shipped from the Netherlands. U.S. imports of other quinine

salts for July totalled 209,436 oz., valued \$84,647. Imports of sulphate for period January-July totalled 713,904 oz., valued at \$267,365, against 805,838 oz. (\$295,832) for the same period of 1930.

RESORCIN is dearer, with offers at 3s. 6d. up to 3s. 9d. per lb.; possibly less for good quantities.

SALICYLIC ACID (B.P.).—Home makers' prices are unchanged: one ton, 1s. 5d.; ten cwt., 1s. 5½d.; five cwt., 1s. 6d.; one cwt., 1s. 6½d.; small parcels, up to 2s. per lb.

SALOL.—Dealers' prices have been advanced: crystals, one cwt., 4s. 6½d.; 56 lb., 4s. 7d.; smaller parcels, 4s. 8d. per lb.; powder, 1½d. per lb. extra.

SODIUM DIETHYLBARBITURATE shows a considerable advance as now quoted by importers: spot, 10s. 6d. to 10s. 8d. per lb. as to quantity.

SODIUM SALICYLATE (B.P.).—Home makers' prices are so far unchanged: Continental material is not competitive. Home trade: powder, two tons, 1s. 10d.; one ton, 1s. 10½d.; ten cwt., 1s. 11d.; five cwt., 1s. 11½d.; one cwt., 2s.; 28 lb., 2s. 1d.; 14 lb., 2s. 3d.; 7 lb., 2s. 4d.; 1 lb., 2s. 5d. per lb., with crystals 1d. per lb. extra, without engagement.

SULPHONAL is dearer by about 20 per cent. on former rates: crystals 12s. 1d. to 13s. 5d. per lb. as to quantity, with powder 1½d. extra, subject to revision.

TARTARIC ACID (B.P.) CRYSTALS.—Dealers' prices for imported material are now fully 1s. per lb., less 5 per cent., ex wharf, for good quantities. British makers quote 1s. 0½d. per lb., less 5 per cent. discount, without engagement.

VANILLIN.—Practically all the second-hand material has been taken off the market at the cheaper prices, and prices are at the advance recorded last week: ex guaiacol, one ton, 14s. 3d.; ten cwt., 14s. 6d.; five cwt., 14s. 9d.; three cwt., 15s.; one cwt., 15s. 3d.; 56 lb., 15s. 6d.; 28 lb., 15s. 9d.; 14 lb., 16s.; less, 16s. 3d. per lb.; ex clove oil, 16s. to 18s. per lb. as to quantity, from one ton to less than 14 lb.

Crude Drugs, etc.

For the time being the peak of the market seems to have been passed in most products. Business has fallen off in volume and prices tend to move back, although the spot markets are generally maintained owing to shortness of available supplies. The shipment markets are, of course, largely controlled by movements in rates of exchange.

AGAR-AGAR.—The market is nominally unchanged and has been very quiet; the tone is not steady: Kobe No. 1, 4s. 6d.; No. 2, 4s. 3d.; Yokohama, 4s. 3d. per lb. spot. The shipment market remains nominal.

ANTIMONY.—The market is irregular: Chinese crude, spot, £19; shipment, nominal; Chinese white oxide, spot, £31; shipment nominal.

BALSAMS.—The market for *Tolu* is again dearer, with business reported on spot at 3s., with up to 3s. 2d. per lb. now asked. Canada, on spot, is quoted at 4s. 6d. per lb.

CAMPHOR.—The spot position is practically nominal, with supplies more or less unavailable. For shipment, Japanese slabs are at about 2s. 6d. and tablets at 3s. 1d. per lb. c.i.f. English refined is unchanged and quoted without engagement: B.P. flowers, one cwt., 2s. 11d.; 28 lb., 3s.; small lots, 3s. 1d. per lb.; special prices for larger quantities on contract. Transparent tablets at usual differences.

U.S. imports for period January-July were as follows: Natural, crude, 1,017,243 lb. (\$372,062); natural, refined, 801,969 lb. (\$385,137); synthetic, 1,387,252 lb. (\$457,892).

CARDAMOMS.—Bold Ceylon-Mysore, 5s. to 5s. 6d.; mediums, 3s. 6d. to 4s. 3d.; small mediums, 2s. 6d. to 3s.; smalls, 2s. to 2s. 6d.; Alleppy greens on spot, 2s.; shipment quoted at 2s. 3d. c.i.f. Bombay seeds, 2s. 11d. spot.

CASCARA SAGRADA.—New peel is quoted at about 47s. 6d. for car-load lots, c.i.f.; 1930 peel on spot is about 56s.

CLOVES.—At the advanced prices recorded the market is steady: Zanzibar, spot, 8¾d. to 9d.; shipment, November-December, 7d. c.i.f.; Madagascar, spot, 8¾d. to 8¾d.

The landings of Zanzibar in London during the week ended October 3 were 686 and the deliveries 369, leaving a stock of 1,226, against 391 in 1930. From January 1 to date, landings of Zanzibar have been 2,527, against 6,257 in 1930, and the deliveries 2,320, against 5,873 in 1930. Landings of Madagascar for the week ended October 3 were nil and the deliveries 132, leaving a stock of 877, against 1,077 in 1930. Landings of Madagascar this year to date have been 2,320, against 4,924 in 1930, and the deliveries 2,349, against 3,860 in 1930.

COCOA BUTTER.—The market is steady with business moving: prime English, 10d. to 10½d.; Van Houten's A, 11½d. per lb. in minimum one-ton lots.

COCONUT (DESICCATED).—Spot values are steadily maintained and business has been good: shipment is slightly easier on the week: spot, fine, 22s.; medium, 24s.; shipment, halves, October, 19s. 6d.; November, 20s. c.i.f., sellers.

COD-LIVER OIL.—The market continues steady at about level figures, Norway is now off the gold standard, adding to the difficulties of fluctuations in values. This is not likely to affect the strength of this market as some of the gold standard countries have been attracted to the Norwegian market. Exports to September 20 totalled 56,394 barrels, against 60,787 last year; finest Lofoten non-freezing medicinal oil, spot, 130s., and shipment, 120s. per barrel. Some grades may be slightly cheaper.

DAMIANA LEAVES.—Spot prices are at about 8½d. to 9d. per lb.

ERGOT.—Spanish new crop is offering at about 2s. 3d. per lb. c.i.f.

GELATIN.—Prices show an advance; business has improved: gold leaf, 2s. 3d.; silver leaf, 1s. 11d.; bronze leaf, 1s. 6½d.; thin leaf, 1s. 4½d. per lb. in one-cwt. cases.

GINGER.—West African on spot is now quoted at 29s. per cwt, Jamaica has been in good demand and prices are dearer: small natural, 47s. 6d.; medium bold, 60s. to 65s.; bold, 70s. to 87s. 6d.

GUM ACACIA.—The market is rather easier for shipment, with prices down all round about 2s. 6d. per cwt.; spot is about steady and unchanged, and a fair business has been done. Kordofan cleaned sorts, 47s. 6d.; natural, 45s.; bleached, 100s. to 107s. 6d. spot.

U.S. imports for period January-July totalled 5,926,745 lb., valued at \$448,927, against 5,044,076 lb. (\$753,484) for the same period of 1930.

HONEY.—A good business has continued in this article and Californian white clover is now very scarce and nominal at 47s. 6d. to 43s. 6d. per cwt. New crop will be coming to hand in due course. Supplies of Jamaica on spot are also becoming depleted and are low for the time of year: dark amber, 22s. 6d. to 23s.; good medium pale, 35s. to 36s.; palest set, up to 52s. 6d. per cwt. New crop Jamaica will not come to hand till March next.

HYDRASTIS.—The market is rather dearer again at about 5s. 9d. to 6s. per lb. spot.

IPECACUANHA.—The market has not been of much interest: Matto Grosso on spot, about 6s. 3d. per lb.

MALE FERN EXTRACT.—The spot offer is in the region of 3s. 8d. to 3s. 10d. per lb.

MENTHOL.—The brisk business of last week has not been maintained and the tone is not nearly so good. Spot is fairly steady, but the forward position is a good deal easier and inclined to be unsteady: spot, 14s. 9d.; shipment, October-December, 13s. 3d.; January-March, 13s.

MERCURY.—The quotation for Spanish-Italian is at 80 dollars per bottle f.o.b. This works out on current exchange movements at about £20 5s. to £20 10s. per bottle.

PEPPER.—At a slight appreciation the market is steady: Lampung, spot, 6½d.; shipment, August-October and October-December, 5½d. c.i.f. paid; January-March, 6½d. sellers, c.i.f.; Tellicherry, January-March, 60s. 6d. c.i.f.; Alleppy, January-March, 59s. sellers, c.i.f.; white Muntok, spot, 8½d.; August-October and October-December, 8½d. paid; January-March, 8½d. paid, c.i.f.

PIMENTO is a shade easier on the week and closes quiet: spot, 3¼d.; shipment, October-December, 24s. 6d. sellers, c.i.f.

PODOPHYLLUM ROOT.—Spot offers are being made at about 67s. 6d. per cwt.

RUBBER.—Business has been fairly satisfactory but rather patchy. U.K. stocks show a further decline to 133,923 tons, against 117,922 tons a year ago. No. 1 standard ribbed smoked sheet, spot, sellers, 3d.; October and November, 3d.; December, 3½d.; January-March, 3½d.

SAFFRON.—Prices have advanced; business has been better: prime B.P., 54s.; extra B.P., 47s. 6d.; super B.P., 45s. per lb.

SCAMMONY ROOT.—Mexican on spot is being offered at 27s. 6d. per cwt.

SENEGA.—There has been little doing in this article: spot is quoted at about 1s. 11d., and shipment at 36 cents per lb. c.i.f.

SENNA.—This market is fully maintained and supplies generally are unusually low: Alexandrian finest selected hand-picked pods, 5s. 6d. to 6s.; seconds, 3s. 6d. to 4s.; mediums, 2s. to 2s. 6d.; ordinary manufacturing, 5½d. to 6d. per lb. Tinnevely ordinary f.a.q. pods have been in brisk demand and firm at 5½d. to 5½d. Manufacturing

leaves are unobtainable, the cheapest offering being fully 4d. per lb.

TRAGACANTH.—Fine and medium grades continue very firm at full rates. At present the Persian exchange stands at about 40 per cent. over par sterling. Several parcels are being shipped direct to New York on instructions from Persia.

U.S. imports for period January-July totalled 935,963 lb., valued at \$386,567, against 759,018 lb. (\$326,349) for the same period of 1930.

Essential Oils

The brisk demand reported last week has not been sustained, and it is evident that buyers have covered most of their present requirements, but there is still a fairly satisfactory trade moving. After the recent all-round advance in values there is a slightly easier tendency in the shipment position, but spot is keeping up well, due to shortness of supplies available here in most lines. Japanese dementholised peppermint has fallen back from the best prices recorded last week-end, and the tone is rather easy forward.

ALMOND.—Spot values of bitter, genuine s.a.p. are now at about 7s. 4d. to 7s. 6d. per lb.; sweet almond oil is about 2s. 1d. per lb.

ANISE (STAR).—Business has fallen off and values show a decline on the week: "Red Ship," in leads, 2s. 4d.; in tins, 2s. 2d.; in drums, 1s. 11½d. spot; in drums, 1s. 10d. c.i.f.

BERGAMOT.—Business has been about sustained and the market is holding at former rates: spot, from 8s. 3d. to 8s. 4d. per lb., with an occasional offer at 8s. Shipment is nominal at about 7s. 9d. per lb. c.i.f.

U.S. imports for July totalled 14,573 lb., valued \$18,328, of which 5,750 lb. (\$8,112) was shipped from Italy and 7,728 lb. (\$8,014) from the United Kingdom. Imports for period January-July totalled 57,941 lb., valued at \$99,206, against 136,628 lb. (\$352,248) for the same period of 1930.

BOIS DE ROSE.—Cayenne on spot is quoted at about 6s. 6d. per lb.; Brazilian is offering at 3s. 3d. per lb.

CARAWAY.—A further advance in prices is recorded with Dutch double-distilled up to 7s. 6d. and crude at 7s. 1d. per lb.

CASSIA is moving fairly well with the price in the region of 3s. 6d. per lb. spot; shipment market nominal.

CEDARWOOD is offering on spot at about 1s. 9d. per lb.; shipment nominal.

CINNAMON LEAF is fully at last week's advance: spot, 3s. 6d. and upwards; and shipment works out at about 3s. per lb.

CITRONELLA.—Prices are a little more settled this week: Java, 2s. 8d. and upwards, spot; Ceylon, 1s. 8d. to 1s. 9d. per lb. spot, and about 1s. 6d. c.i.f.

EUCALYPTUS is irregular with some cheap spot offers for a large quantity: the ordinary figure for Australian is about 1s. 3d. per lb., but lower prices might be taken in some quarters.

GERANIUM.—This market is firm and some business is reported: Bourbon, on spot, 18s. 6d. to 19s.; Algerian, spot, about 20s. 6d., and shipment about 19s. 6d. per lb.; higher prices for small quantities.

JUNIPER BERRY (B.P.) is quoted on spot from 5s. to 5s. 3d. per lb., as to quantity.

LAVENDER.—Prices show a further advance and business is being done: French, 33 to 40 per cent., 9s. 9d. to 10s.; 36 to 38 per cent., 9s. 3d. per lb., to arrive, without engagement.

LEMON.—The finest brands of Sicilian hand-pressed are now quoted up to 4s. 4d. to 4s. 6d. per lb., with shipment, on current rates of exchange, costing slightly more. Some brands are offering from 4s. to 4s. 3d. spot. Californian lemon oil on spot is quoted at 2s. 8d. per lb. in drums.

U.S. imports for July totalled 24,812 lb., valued \$22,078, of which 22,893 lb. (\$20,528) was shipped from Italy and the remainder from the United Kingdom. Imports for period January-July totalled 264,673 lb., valued at \$162,475, against 516,456 (\$506,559) for the same period of 1930.

LEMONGRASS is available and is valued at present at about 1s. 9d. per lb.

ORANGE.—Sicilian sweet, finest brands, is quoted from 7s. 9d. and upwards, on spot, with some brands at 7s. 3d. for quantities. Californian orange oil on spot is quoted at 4s. 2d. to 4s. 3d. per lb.

U.S. imports for July totalled 10,361 lb., valued \$27,202, of which 4,770 lb. (\$15,427) was shipped from Italy and 4,550 lb. (\$5,551) from Jamaica. Imports for period January-July totalled

82,994 lb., valued \$167,668, against 121,955 lb. (\$277,362) for the same period of 1930.

PALMAROSA is irregular on spot with some sellers at 9s. per lb., and others asking up to a shilling more; shipment works out at about 8s. 6d. c.i.f. on current exchange rates.

PEPPERMINT.—After the recent burst of business when spot stocks were depleted the market has slackened considerably, and is rather easier forward with spot about steady. Japanese dementholised, spot, 4s. 9d.; shipment, October-December, 3s. 10½d.; January-March, 3s. 9½d.; a rumour of the possibility of Japan dropping the gold standard has tended to weaken the position. American oil, spot, about 9s., with very little available; shipment quotations are \$1 80 c. per lb., c.i.f.

ROSEMARY.—Spanish is irregular on spot at about 1s. 9½d. to 2s. per lb., and French is about 3s. 10d. to 4s. per lb.

SASSAFRAS is dearer on spot at about 5s. 4d. to 5s. 6d. per lb., as to quantity and origin.

SPEARMINT has been advanced on quotation to about 8s. 6d. per lb., spot.

SPIKE.—A further sharp advance is recorded here with Spanish up to 3s. 3d. to 3s. 4d. per lb.; some cheaper offers are said to have been withdrawn.

WINTERGREEN.—Spot offers are now being made at 7s. 6d. per lb.

The following arrivals have taken place from the countries indicated during the period October 1 to 7 inclusive: Almond, bitter (Fr.) 2 cs.; anise (Star) (H.Kong) 24 cs.; bay (B.W.I.) 5 cs.; bergamot (It.) 9 cs.; camphor (Jp.) 4 dms.; caraway (Nthlands) 2 cs.; cedarwood (U.S.) 1 dm.; citronella (Ceylon) 19 dms. 6 cs.; clove (Gy.) 5 dms.; eucalyptus (Spn.) 30 cs.; geranium (Nthlands) 2 cs.; lemon (It.) 21 cs.; lime (B.W.I.) 6 cs.; patchouli (Fr.) 13 cs.; (Straits) 8 cs.; peppermint (U.S.) 13 dms.; rosemary (Fr.) 10 cs.; sassafras (U.S.) 2 cs.; various (Fr.) 20 cs., (Brit. Guiana) 5 cs., (U.S.) 2 cs., (Nthlands) 3 cs., (Switz.) 1 pcl.; wormwood (U.S.) 3 cs.

Industrial Chemicals, etc.

THERE has been a general advance of about 20 per cent. in prices for imported materials, while home makers' prices show no material alteration. A very fair volume of business is being done under rather difficult circumstances. White and red lead international Convention prices show an advance. Potash products are dearer. Formaldehyde and acetone show a further slight appreciation, and some slight advance in acetic acid prices is anticipated in the near future. Oxalic acid is dearer. **ACETIC ACID**.—Prices quoted are, so far, unchanged with the market firm and tending to advance: 80 per cent. technical, £34 5s.; 80 per cent. pure, £35 5s. per ton in barrels; glacial, pharmaceutical, 99 to 100 per cent., £56 in glass demijohns; glacial in barrels, £45 per ton carriage paid in U.K., subject to withdrawal. **ACETONE**.—B.G.S. shows an advance, with the average of about £60 to £61 per ton in drums, carriage paid in U.K. **AMMONIA (ANHYDROUS)** is offering at about 10d. to 1s. per lb. for 99.95 per cent. material in loaned drums, carriage paid, and less for important contracts. **AMMONIUM CHLORIDE** is very steady and business is fairly good; grey galvanising, £21 10s. per ton, in casks, ex store; slightly less for contracts. **BLEACHING POWDER** is available, with prices about £7 per ton for 35 to 37 per cent. chlorine, in four-ton lots, carriage paid. **FORMALDEHYDE** shows a further slight advance, with quotations for 40 per cent. by volume, £26 to £26 10s. per ton, in casks, ex store. **ISOPROPYL ALCOHOL** is dearer: first quality ex acetone, 11s. to 12s. per gallon, in drums, carriage paid; ex "cracked petroleum" qualities, 9s. to 10s. per gallon. **LEAD ACETATE** is dearer and subject to revision with movements in exchange: brown, £31; white, £32 per ton, in casks, ex store. **LITHOPONE**.—Convention rates have been advanced: 30 per cent. Continental red seal, £18 per ton, net, f.o.b. Continent; spot, about £21 7s. 6d. **OXALIC ACID** is dearer, with the price at present at £39 per ton, subject to confirmation. **POTASSIUM CARBONATE**.—The new prices are subject to confirmation: 90 to 92 per cent., £23 10s. per ton; 96 to 98 per cent., £26 10s. per ton, in casks, c.i.f. **POTASH CAUSTIC**, 88 to 92 per cent. solid.—The spot value would be about £33 per ton, in drums, ex store; forward contract prices nominal. **POTASSIUM CHLORATE**.—The forward contract price is nominal at about £33 per ton, and small spot parcels would be about 3½d. per lb. **POTASSIUM PERMANGANATE**.—The market has advanced, with quantities of commercial quality at 6½d. per lb., in two-cwt. drums, ex store. **POTASSIUM PRUSSIAN** is dearer, with an advance of £5 per ton; yellow, £68 10s. to £70 10s. per ton, in casks, ex store; small quantities, about 8½d. per lb. **RED**

LEAD.—Convention prices for English have been fixed at the following higher rates and are subject to withdrawal without notice: five to ten cwt., £29 10s.; ten cwt. to one ton, £29 5s.; one to two tons, £29; two to five tons, £28 10s.; five to 20 tons, £28; 20 to 100 tons, £27 10s.; 100 tons and over, £27 per ton, less 2½ per cent., carriage paid; non-setting red lead, 10s. dearer; Continental red lead, £1 per ton cheaper. **SAL AMMONIAC**.—Up to the present Continental material is being quoted unchanged and without engagement: dog-tooth crystals, £32; medium, £28; fine white crystals, £17 7s. 6d. per ton, in casks, ex store. **SALT CAKE**.—The home trade price is very steady at about 57s. 6d. per ton, in bulk, delivered. **SODIUM ACETATE** is dearer and nominal at about £19 per ton, in casks, ex store. **WHITE LEAD**.—Convention prices for English have been advanced as follows and are subject to revision without notice: dry, five to ten tons, £38 10s.; 10 to 25 tons, £38; 25 to 50 tons, £37 10s.; 50 to 200 tons, £37 per ton, less 5 per cent., carriage paid; Continental, 30s. per ton cheaper. Ground in oil, English, two to five tons, £46; five to 15 tons, £43; 15 to 25 tons, £41 10s.; 25 to 50 tons, £41; 50 to 100 tons, £40 10s. per ton, less 5 per cent., carriage paid; Continental material, £4 per ton cheaper.

Fixed Oils, etc.

PRICES for practically all products show an advance, and business has been moving on a good scale, export business to the Continent being much better. At the close the markets were rather quieter. **ACID OILS**.—Fair business on an irregular market: coconut and/or palm kernel, 21s.; groundnut, 18s.; soya, 16s., spot. **CASTOR**.—The market is dearer and business has been good: pharmaceutical, 44s. 6d.; first pressings, 40s. 6d.; second pressings, 37s. 6d. (barrels); cases £4 per ton extra, ex mills, Hull, in not less than one-ton lots; Bombay, 35s. (drums), c.i.f. **COCONUT** has been in better demand at full rates: deodorised, 32s. (barrels), spot; Ceylon, 24s. (drums), c.i.f. **COTTON** shows a slight appreciation, and business has been moving well: deodorised, 30s. 6d.; common edible, 29s.; soapmaking, 28s.; crude, 25s. 9d. (barrels), spot. **GROUNDNUT** is dearer and the market has shown more life: deodorised, 34s. (barrels), spot; crude Oriental, 24s. 6d. (drums), c.i.f. **LINSEED** (raw, naked).—After fair activity the market is quieter and rather easy: on spot, 17s. 6d.; October, 15s. 1½d.; October-December, 15s. 4½d.; January-April, 17s. Boiled oil, spot, 20s. **OLIVE**.—Prices show a considerable advance, and business is fair: edible, 6s. 3d. in drums and 6s. 9d. in tins in cases; B.P., 5s. 3d. per gallon, in 40-gallon barrels, spot, and 5s. c.i.f. **PALM** is dearer and there is more interest in the market: Lagos, 19s. 6d.; softs, 18s. 9d.; mediums, 18s. 3d.; hards, 21s.; bleached, 21s. 3d., spot. **PALM KERNEL** is dearer on a brisk market: deodorised, 31s.; crude, 24s. 6d., spot. **RAPE** has advanced and business is fair: refined, 34s.; crude, 32s., spot. **RESIN** is about steady but rather quieter after some fair business: B, 11s.; D, 11s. 6d.; F/G, 12s. 6d.; N, 16s.; W/G, 18s. 6d.; W/W, 20s., ex wharf. **TURPENTINE**.—There has been only a very moderate business doing in this product. London stocks, 32,337 barrels: on spot, 52s. 6d.; shipment nominal. **WOOD**.—Hankow in barrels on spot has moved up to 42s.

Gum Acacia

BOXALL & COMPANY report that exports from the Sudan during the period January-August 1931 totalled 15,349 tons, against 15,580 tons during the same period of 1930. The exports were composed of the following: Hashab, 14,436 tons (13,418 tons in 1930); bleached, 173 tons (79 tons in 1930); and Talha 740 tons (2,083 tons in 1930). The following are the chief countries of destination:—

	1930	1931
	January-August	January-August
Destination	Tons	Tons
Great Britain	3,121	3,928
U.S.A.	2,870	2,680
France	2,631	1,788
Germany	2,560	1,523
Italy	1,075	919
Belgium	963	990
Japan	438	801
Spain	242	254
Holland	399	589
Sweden	218	578
Norway	88	24
Australia	405	385
New Zealand	36	29
China	201	257
Canada	41	57
British India	13	95

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

Council Election in the Irish Free State

SIR,—We wish to thank the members and associates who supported us so splendidly that six of our seven candidates were elected to the Council. We regard this as a very great tribute indeed—not so much to us personally but rather to the programme for which we stand. We should like to assure our supporters that we will spare no efforts to merit the confidence they have reposed in us. We regret very much not having had an opportunity of replying in full to the many queries received, but we hope to deal with all correspondence in the course of a week or two.—Yours very truly,

W. J. MCKNIGHT, M.P.S.I.
F. J. BARRAGRY, M.P.S.I.
J. A. O'ROURKE, M.P.S.I.
C. J. CREMEN, M.P.S.I.
EUGENE RONAGHAN, M.P.S.I.
JOHN GLEESON, M.P.S.I.
M. J. PARKES, M.P.S.I., P.C.

Dublin.

An Applicant's Experience

SIR,—I have been somewhat surprised to find, after answering certain advertisements in this journal, that no reply has been sent to the application, although in each case a stamped addressed envelope was included. Surely such a lack of courtesy on the part of those advertising for assistants is unwarranted. One appreciates the fact that an advertiser may have a large number of replies to his advertisement, and cannot blame him for ignoring those who do not enclose the cost of a reply; but I cannot imagine the trouble incurred in writing a brief intimation (several of which may be done at once by means of carbon paper) that the application is not satisfactory or under consideration, or that the post is already filled, is too great an effort for common courtesy.—Yours sincerely,

J. M. KNIGHT.

Headingley, Leeds.

Old National Health Insurance Scripts

SIR,—The experience of Mr. Martin Conway regarding old dated National Health Insurance prescriptions (*C. & D.*, September 26, p. 411) is not unique. Some of the "chronics" like to keep a script in hand, and bring it to be dispensed a week or so after date; it is when they hand the later dated one over first in error that one finds out that they have one, or perhaps more than one, which has not been dispensed. Another habit indulged in by some of the old staggers, where there are two or three doctors attached to a surgery, is to arrange their visits so that they see a different doctor each time and collect a surplus of scripts, usually all different; then they decide for themselves whether their particular symptoms at the moment require the white mixture or the brown one, and come to get it dispensed, afterwards going to the surgery to obtain a new one to have it in hand for a future occasion. It is quite obvious that a patient who can do this sort of thing is not really in need of some, or perhaps any, of the medicine; and I would support Mr. Conway's recommendation that scripts should be brought in within a reasonable time of the patient receiving them, say two days, unless marked by the doctor when they are to be dispensed, otherwise they should become invalid. Some doctors do not trouble to date insurance scripts, and these would have to be returned for dating before they could be dispensed. The adoption of some such rule as this would effect a considerable saving in the drug fund.—Yours faithfully,

FUNDED (5/10).

Another Milestone

SIR,—I am old enough to throw my mind back to the time when the *C. & D.* was a monthly periodical, and to remember the expectations I had as to the contents of the coming number. In those days there did not exist the plethora of text-books (headed by the *C. & D.* series) to which reference could be made in case of pharmaceutical difficulty. For my personal education I commenced to make an indexed note-book of the queries, replies, hints, etc., which appeared in your pages; this note-book still remains one of the cherished possessions. The advent of a weekly publication in 1886 added to a real interest in a journal which made my travail through pharmacy much lighter. Successive editors have always offered an open column, and sometimes a generous sympathy, to one in need of that help which alone can come from those in wide touch with a craft. Artistic typography—not the demonstrative type—has always characterised every issue; and on many pages the eyes may rest upon an arrangement of typesetting which is a real pleasure. I wonder how many readers reflect for a moment for what a small weekly amount this mass of information comes regularly through the letter-box.—Yours, etc.,

ANTIQUUS (6/10).

Supplies for Welfare Centres

SIR,—I do not quite see how it would be possible to work the supply of foods, etc., now distributed by the welfare centres and clinics, through the medium of vouchers on the chemist, because to be fair every chemist would have a claim to be a supplier, and the manufacturers would not supply chemists with small parcels at the same rates as they do the clinics. But what chemists complain about most is not the supply of foods or other articles to poor people who could not get proper treatment or sufficient nourishment in the ordinary course, but about the abuses which have arisen from the establishment of these centres—the way in which they have been utilised by persons quite well able to afford to do their shopping at recognised shops and to pay the current prices. These persons could be stopped if there were definite scales of income and expense laid down above which attendance at a clinic was prohibited, the figures having to be proved by the applicant. It has to be done for income-tax purposes, why not for poor relief?—Yours truly,

WELFARE (5/10).

Pharmacy Week

SIR,—Why on earth, every year, we have to give the drug stores and toilet shops a leg-up passes my understanding. Nearly every drug store and toilet shop calls its place a pharmacy, and it means that we are educating the public to stop at any place that is called a pharmacy. The law of the land has told us that the word "pharmacy" is not ours exclusively, but belongs to any one who wishes to call a shop such; yet the law has given us an exclusive title "chemist," and we ignore it. What would have looked better than to have seen up and down the country, exhibited in every chemist's shop "Chemists' Week"? We shall wake up one morning and find that the Government are taking away the title "chemist" from us, and we shall think we are harshly treated; but we have asked for it—they give us a title and we ignore it. Watch the drug stores this year display the words "Pharmacy Week" in their drug stores and join hands with us. . . .—Yours truly,

D. G. DOUTHWAITE.

Coventry.

Legal Queries

A. G. (30/9).—The use of the title "Heal-All" for the ointment involves liability to medicine-stamp duty.

B. D. (9/9).—Cough lozenges may be sold without stamping provided they are supplied to the public loose, wrapped in plain paper, bearing no description of the goods nor any recommendation. They cannot be held out as beneficial for the prevention, cure or relief of any ailment without incurring liability.

E. F. H. (23/9).—There are no special conditions attached to the sale of surgical spirit made in accordance with an officially recognised formula. The fact that the purchaser may intend to use it for some other purpose would not make any difference in this regard. A different situation would arise if the customer intended to treat the spirit in any way to make it fit for consumption as a beverage, and he brought this fact to your knowledge.

J. B. C. (5/10).—You are apparently unacquainted with the altered conditions regulating the sale unstamped by chemists of "known, admitted and approved" remedies, which were published and discussed in an editorial article in the *C. & D.*, March 8, 1930, p. 300. Briefly, these stipulate that the full formula with the amounts, together with the words "no proprietary rights are claimed in the preparation of this medicine," shall appear on the label and also on the wrapper or carton, if any. The mere reference to the formula, as has hitherto been the case, is no longer deemed a sufficient disclosure.

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

R. C. (1/10).—CONTINENTAL CROCUS.—The root submitted as "Continental Crocus" belongs to a plant called *Corrigiola littoralis*, Linn. (Illecebraceæ), which is found in the south of Europe and the north of Africa. In 1892 some of this root came into the market as a substitute for pellitory (*Anacyclus Pyrethrum*). It was said to have come from Morocco, and Mr. E. M. Holmes described and figured it as false pellitory root. It has a slight tingling sensation when chewed, but not by any means so lasting as true pellitory.

H. & C. (25/81).—WARTS IN CATTLE.—The following are formulas for warts or angleberries in cattle:—

I		II	
Arsenici sulphid. flav.	3j.	Acid. arsenios...	3j.
Glycerini	...	Sapo. mollis	...
Lanolini	...		3j.
	3v.		

Apply to the part night and morning.

R. H. B. (1/81).—HUSK IN CALVES.—If the combination you mention is to be injected directly into the trachea for the treatment of husk or hoose in calves, the following proportions are indicated:—

Ac. carbol.	...	...	...	℥v.
Ol. tereb.	...	...	...	℥xv.-xxx.
Chloroform.	...	...	...	℥x.-xv.
Ol. olivæ	...	...	...	3j.-ij.

This should be injected into the trachea daily for three or four days.

E. B. (21/81).—CANKER IN POULTRY.—There are various diseases of poultry known as canker, but for ordinary cold in the head cleanse the eyes and beak with a very weak solution of carbolic acid or lead lotion. Either of the following can be given daily (mixed in the food or as pills):—

I		II	
Rhei pulv.	...	Capsic. pulv.	...
Hyd. c. cret.	...	Cupri sulph.	...
	gr. ij.		gr. v.
			gr. ij.

G. C. M. (19/81).—PLEURISY IN THE DOG.—The case you describe appears to be one of chronic pleurisy. The bowels must be kept in a lax condition, animal kept dry, away from draughts, and, if possible, in an even temperature. Rub the sides daily with ung. iodi. denigres. Give a little whisky at times, also the following every four hours:—

Tinct. belladon.	...	...	...	℥x.
Tinct. aconiti	...	...	...	℥ij.
Spt. æth. nit.	...	...	...	℥xx.
Liq. ammon. acet.	...	...	...	3ij.
Syr. tolu.	...	...	...	3ss.
Aq.	...	...	...	ad 3iv.

E. A. (7/81).—COCCIDIOSIS IN POULTRY.—Paralysis in poultry, especially in pullets, is due to rapid growth, damp and cold surroundings, and deficiency of mineral matter in the system; it is often accompanied by coccidiosis. Treatment is to keep the birds dry and warm, give syrup ferri iod. 3j.ij. in one pint of drinking water, or syrup ferri phos. co., same quantity. This is a disease that usually proves fatal in old birds. Coccidiosis usually has a quick and fatal termination, especially among young birds. It is due to a parasite affecting the intestines, and, occasionally, the liver and kidneys, and is seen in the form of white scour or diarrhoea. The cures are numerous, but the diseased must be quickly handled, otherwise it is useless. The following are given as curatives: zinci sulphocarb. gr.ij.-iv. in one pint of drinking water; pot. iod. et iodum aa, gr.j.-ij. in same quantity of water; tinct. catechu 3j.-iv. in a gallon of water. In treating this disease the old adage, prevention is better than cure, holds good, as preventive measures must be taken immediately by removing the healthy from the affected, the latter to be isolated or destroyed, and the healthy to be kept under close observation by being examined daily or oftener if suspected. Give the healthy a clean run or premises, turn up the ground of the old run and dress it with lime, and let it remain free of all animals for a year. If in pens or houses the same holds good, but it may be necessary to burn the wooden structures.

E. W. (5/86).—SHEEP TONIC.—The mixture which is given to sheep as a tonic and laxative in doses of from one to two tablespoonfuls, consists of a clear liquid, coloured bright green and perfumed with almond, in which is suspended a small amount of white powder-like substance. This latter failed to give any characteristic reaction with several reagents, but it has resinous properties, and dries down to a varnish. The liquid yields 3.9 per cent. of total solids, and 2.4 per cent. of ash. The ash consists mainly of sodium chloride. The solution contains also about 3 per cent. of ammonium carbonate.

Retrospect of Fifty Years Ago

Reprinted from

"The Chemist and Druggist," October 15, 1881

From an Address to Students

All who have long been engaged in the business have seen some of the things known as "sundries" pass away from the domain of pharmacy, and others are slowly disappearing. I believe our wisdom lies in not wasting time in regretting their loss, or in seeking how they may be recovered, but being conscious that within us lies a large amount of latent energy, we should exert ourselves to effect its development and to replace that which is lost by something more closely allied to our profession. I do not say this is the only way of meeting the difficulty, but it is one which has occurred to me and doubtless to many others; you have it with the simple recommendation that I know of no better. [Dr. Charles Symes at the opening of the Pharmaceutical Society's School session on October 5.]



[Commenced C. & D., July 5, 1924]

Wafer.—In pharmacy, a thin leaf of dried amylaceous paste, used for enclosing, when damped, a dose of powder. The earliest O.E.D. quotation for "wafer paper" in a pharmaceutical sense is dated 1860; but the article is found in culinary use from 1718 onwards, and probably its employment for wrapping medicinal powders had been adopted during the eighteenth century. (See "The Art of Dispensing," p. 197.)

Waiver.—When an opportunity to enforce a right by legal action or other process is allowed to pass, there is said to be a waiver. For instance, if a landlord accepts payment of or distrains for rent after the tenant has committed a breach of covenant for which forfeiture of the lease could have been claimed, there is said to be a waiver of the breach of covenant, and the landlord is afterwards precluded from taking advantage of it.

Wall Cases.—This type of fitting has now largely replaced open shelves, over which it has the advantage of giving more of a displayed and less of a stereotyped, "stocky" effect to the merchandise in the cases. It serves the dual purpose of display and storage. Generally speaking, it is advisable to have these cases fitted with adjustable shelves, of which there are several varieties, so that they can be used for goods of all classes, and shelves can easily be removed or added as desired. Opening glass doors are the most popular to-day; but, where space is limited, there is something to be said for frameless sliding glass doors running on fibre tracks or ball-bearings, for they do not cause temporary blockages behind counters or in narrow gangways between fixtures, as the ordinary hinged opening doors are often likely to do. On the other hand the sliding door has the disadvantage that it leaves only one side of the case accessible at one time, because one sliding door is pushed over behind or in front of the other when it is desired to remove an article from the shelves, so that two assistants cannot approach the case at the same time. Where a run of shelves is employed along the whole of one side wall or the back wall of the shop, it is sometimes found practicable to introduce a central wall-case, and thus to relieve the possibly monotonous effect of serried rows of shelves. The height of the wall-cases is governed by that of the other fittings and fixtures in the shop, but they are seldom more than 8 ft. high. In a low-ceilinged shop it may be necessary to carry the wall-fixtures right up to the ceiling, but in a pharmacy of reasonable height it is customary to leave a few feet of wall space above the wall shelving and cases, and to finish this in a pleasing light neutral colour which helps to diffuse the illumination. A professional atmosphere is introduced, and a pleasing effect of balance and design results, if the chemist arranges at intervals along the top of the cases a series of good pharmacy jars or pots. The appearance of the shop is not improved by placing large showboards along this upper section of wall, and apart from any professional insignia, the tops of the wall-cases should be left unencumbered. Oak or mahogany is almost invariably used for the exposed parts of these cases, and ordinary "white" wood or plywood for the backs and other unexposed portions. Standard types of wall-cases are available. One representative range comprises a bottom section 3 ft. high and 9 in. deep, fitted with three hinged glass doors and two wooden shelves inside, and a top section 4 ft. 10 in. high by 7 in. deep, enclosed by three hinged glass doors, and fitted inside with three wooden shelves. Between the top and bottom portions is a recess which can be dressed out with seasonable displays.

Wall Clips.—There are many kinds of clips available which provide a useful means of displaying carded goods, or articles with string handles or other means of suspension, such as sponge bags, hot-water bottles, bathing caps, and the like, on blank wall spaces or recesses between wall fixtures. Behind the counter, in the dispensary, or in the storeroom, such wall clips can be similarly used for filing invoices, bills, receipts, prescriptions, and so on. One useful type of wall-clip screws into the wall, and has a pair of cloth-lined jaws operated by the thumb and forefinger. This has a bronze finish, and is available in dozen lots. Another screw-type clip has a swivel attachment enabling articles to be displayed at varying angles. For displaying postcards, photographs, or small carded goods, a steel suspender, specially made for the purpose, hung from a wall-clip, is an extremely useful device, and takes up very little space. Another system of wall clips is similar to the newsagent's newspaper rack. Several varieties of display clips and hooks are made specially for fitting to plaster or wood walls.

Wall Fixtures.—Strictly speaking, the term "fixture" should be confined to those items of shop equipment that are actually fixed to the wall or floor, but in practice it is applied to all the heavier types of shop-fittings that are not either interchangeable or portable. By wall-fixture one means the shelves and/or show-cases fitted flush to the walls of the pharmacy. Care should always be taken to prevent these becoming stereotyped or monotonous in appearance. In order to preserve the professional element in the chemist's shop, and successfully blend it with his commercial display, it is advisable to give up three or four shelves behind the serving counter to shop rounds, while in order to break up the run of shelves on the other walls, showcases for perfumery and toilet products should be incorporated into the fixtures as central features. The lower portions of the wall-fixtures, where they are concealed by counters, can be fitted with cupboards, bins, or drug drawers, while in those sections fully exposed to the view of customers, it is as well to treat the lower as well as the upper portions as display units, and to face them with hinged or sliding glass doors. Several ranges of standardised wall-fixtures are available, but in these days, when individuality in shop interior design counts for so much in giving character to the shop, there is a lot to be said for having wall-fixtures specially constructed in an unusual finish and design. For those chemists who wish to break away from conventional standards, and at the same time to give a hygienic appearance to their shops, wall-fixtures of aluminium are well worthy of consideration. This material has the advantage of being light in both weight and appearance. Aluminium, moreover, is easily kept clean, and is neither garish nor showy, like many of the new materials used for shop-fitting to-day, and, because it is not yet in general use, it does give a stamp of individuality to the interior of the pharmacy. In new shops it is sometimes advisable to back the wall-fixtures with asbestos sheeting as a preventive against damp. Risk of damp is further reduced by standing them a few inches away from the wall surface. The tendency to-day is to paint the exposed portions of the backs of the wall-fixtures a light colour so that a brighter effect is obtained.

Wall Racks.—In the storeroom and dispensary and in odd corners of the shop it is a good idea to have a wire or metal rack hung at a suitable height on the wall, for day-to-day use, to avoid the risk of mislaying packages from reserve stock suddenly undone for the removal of stock of which there is a sudden shortage in the shop, or for the temporary placing of other articles removed from shelves which it is not possible immediately to return. Any item which requires attention directly after a given task is completed should be placed in this rack. In the dispensary it could be used for medicine for delivery. In the storeroom for small parcels of goods to be unpacked, or for invoices to be checked. For the temporary filing of every-day documents, pending entry into books or proper filing, an excellent device is a rack fitted with four sliding clips which hold papers securely and yet permit their easy

The C.&D. Commercial Compendium

and quick removal when needed. Various kinds of display racks are now obtainable for attachment to walls, and for the exhibition of odd lines sold at reduced prices, or of seasonable goods they serve an excellent purpose.

Wall Space.—Wall space, like floor space and window space, should be worked out in terms of rental value, and it should be used to the fullest advantage as a medium of sales-promotion. That does not imply, however, that blank space on the wall is necessarily wasted space. Sometimes more waste results when every spare inch is occupied, because the result of this crowding of displays one after the other tends to confuse customers. Moreover, a reasonable expense of wall finished in an attractive tint which tones with the floor and the general character of the shop, tends to reduce the heavy, overpowering effect of rows of wooden fixtures and fittings. Wall space is used most economically when it is used most effectively to the end not only of showing goods to the fullest advantage, but also of facilitating service. Showcases should not be fitted to the wall in inaccessible positions, nor carried too high, nor should the wall be cumbered up with showcards, calendars and similar printed matter. Mirrors should be introduced discreetly. Handled skilfully by expert shop designers they can be made to create the impression of spaciousness in a small shop; but they can very easily be overdone, and may tend to distract attention from the goods displayed. A step towards the more economical use of wall space is the elimination of any redundant mouldings, cornices and pilasters. Many of these features are merely dust-collecting ornaments, and unless they serve a really structural or otherwise useful purpose, they should be dispensed with altogether.

Warranty.—In the old law of real property a warranty was a covenant, expressed or implied, by a seller of land to secure to the buyer the enjoyment of the property without disturbance. As regards the sale of goods a warranty is defined in the Sale of Goods Act, 1893, as "an agreement with reference to goods which are the subject of a contract of sale, but collateral to the main purpose of such contract, the breach of which gives rise to a claim for damages, but not to a right to reject the goods and treat the contract as repudiated." In this respect, a warranty differs from a condition which is an essential part of the contract. Whether a stipulation in a contract is a warranty or a condition depends in each case upon the construction of the contract as a whole. Where a contract of sale is subject to a condition to be fulfilled by the seller, the buyer may elect to treat a breach of the condition as a breach of warranty and not as a ground for repudiating the contract. In the absence of an express agreement to the contrary, where a contract of sale is not severable and the buyer has accepted all or part of the goods, or where the contract is for specific goods, the property in which has passed to the buyer, the breach of any condition to be carried out by the seller can only be treated as a breach of warranty. In every contract of sale, unless the circumstances show a different intention, there are implied warranties that the buyer shall have and enjoy quiet possession of the goods, and also that the goods are free from any charge or encumbrance in favour of any third party not disclosed or known to the buyer. Where there is a breach of warranty by the seller, or where the buyer elects or is compelled to treat a breach of a condition by the seller as a breach of warranty, the buyer is not entitled to reject the goods, but he may set up the breach of warranty in diminution or extinction of the price, or maintain an action against the seller for damages for the breach of warranty. The measure of damages in such a case is the estimated loss directly and naturally resulting in the ordinary course of events from the breach of warranty. If the warranty that is broken relates to the quality of the goods, the loss to the buyer is, ordinarily, presumed to be the difference between the value of the

goods at the time of delivery and the value they would have had if their quality had been in conformity with the warranty. Under the Merchandise Marks Act, 1887, on the sale of any goods to which a trade mark, mark or trade description has been applied, the seller is deemed to warrant that the mark or description is genuine, unless the contrary is expressed in some writing signed by or on behalf of the seller and accepted by the buyer at the time of the sale. In marine insurance a warranty is a condition.

Wassermann Reaction.—The diagnosis and treatment of syphilis depends on what is termed the Wassermann reaction, which is founded on the recognised principles of immunity. An animal injected with a non-lethal dose of a foreign body produces an antibody which can be detected in its serum. A rabbit, for instance, may be injected with the red blood cells of a sheep, and, as a consequence, a substance can be detected in the rabbit's serum which hæmolyses the sheep's red cells. If the fresh serum from the inoculated rabbit is incubated at 37° C. with sheep's red blood cells, the red cells dissolve, and the fluid becomes transparent red. If the experiment is repeated with serum previously heated to 56° C. nothing happens; the red cells do not dissolve. It follows that something has been destroyed by heat. If some fresh serum from a non-immunised animal is added to the heated immune serum, and the experiment repeated, hæmolysis will follow. Such hæmolysis will not occur if fresh non-immune serum is incubated at 37° C. with sheep's red blood cells. Two factors emerge in the production of hæmolysis by immune serums. One, which is found in all fresh serum, and is readily destroyed by heating to 56° C., is called the complement. The other, found only in immune serums and resisting heating at 56° C., is called amboceptor. The Wassermann reaction is based on these two factors. Amboceptor can combine with complement and fix it in the presence of the substance that caused the production of the amboceptor. For instance, in a serum immune to typhoid bacilli there is an amboceptor for them. If typhoid serum, typhoid bacilli and complement are incubated together, the complement will be fixed, and will not be able to enter into any other combination. If to this mixture some sheep's red blood cells and some heated serum immune for sheep red blood cells are added, no hæmolysis will occur on further incubation, as the complement has been fixed. If normal serum had been used instead of typhoid serum there would have been nothing to fix the complement and hæmolysis would have occurred. The substance which leads to the production of the immune body is called the antigen. The sheep's red cells and the typhoid bacilli are antigens; they have produced immune bodies or amboceptors. In syphilis the spirochaetes will be regarded as the antigen giving rise to the production of an immune body—the syphilitic amboceptor. The Wassermann reaction is a test for the presence of the syphilitic amboceptor. If to the serum from a syphilitic patient some complement and appropriate antigen are added, and the whole is incubated at 37° C., the complement becomes fixed. If, now, some sheep's red blood cells and serum immune to these are added and the whole again incubated, there will be no hæmolysis, and the red cells will form a sediment at the bottom of the tube. This is a positive Wassermann reaction. With serum from a non-syphilitic patient the complement is not fixed, and is able to produce hæmolysis of the red blood cells. This called a negative Wassermann reaction. A strongly positive Wassermann reaction almost always means syphilis, though a negative result does not altogether exclude the possibility of the infection.

Waste.—In the law relating to house property and land the term waste is used to denote damage to the property. Waste may be either voluntary, where the damage is deliberately done, or permissive, where it results merely from neglect to take steps to avoid it. The remedy for waste is an action for damages or an injunction.

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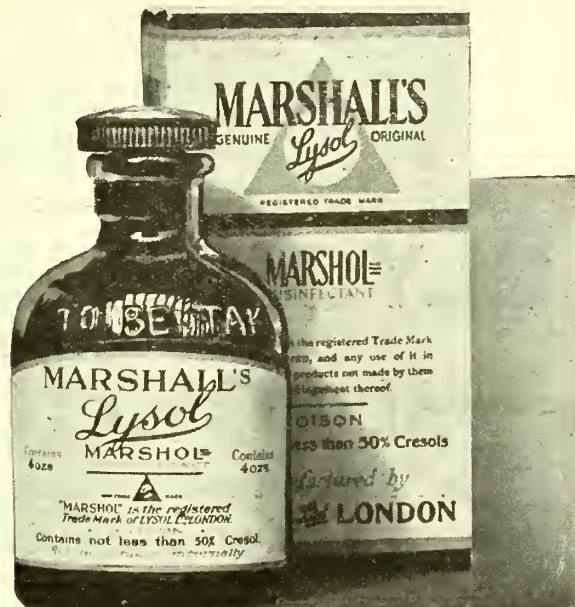
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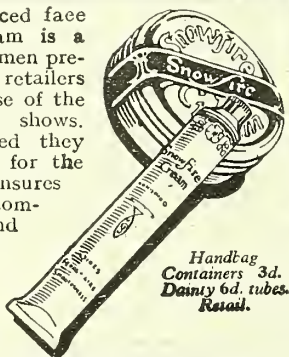
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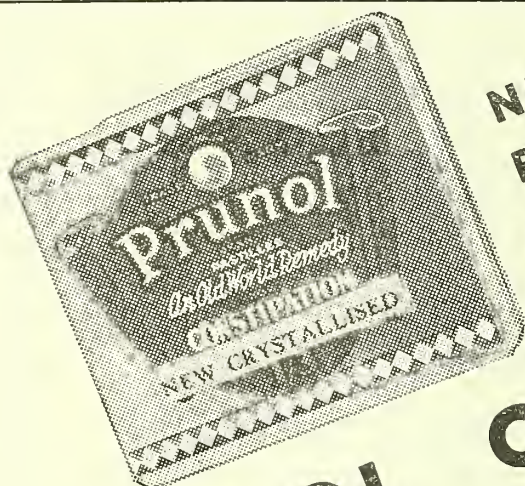
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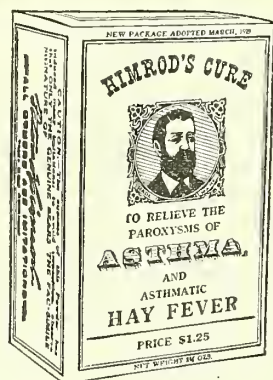
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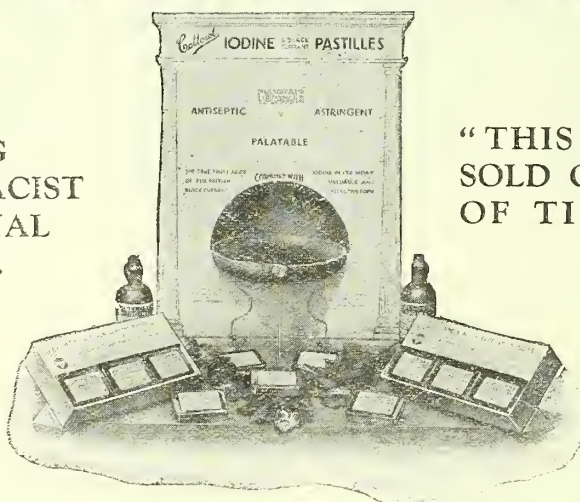
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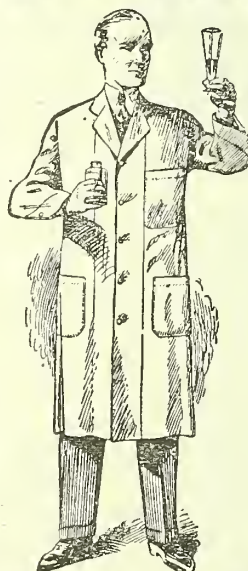


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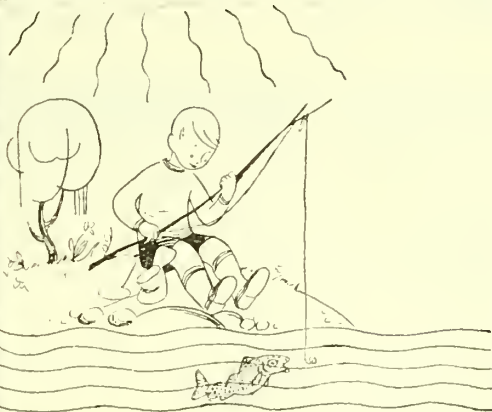
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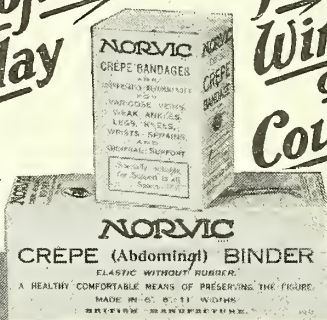
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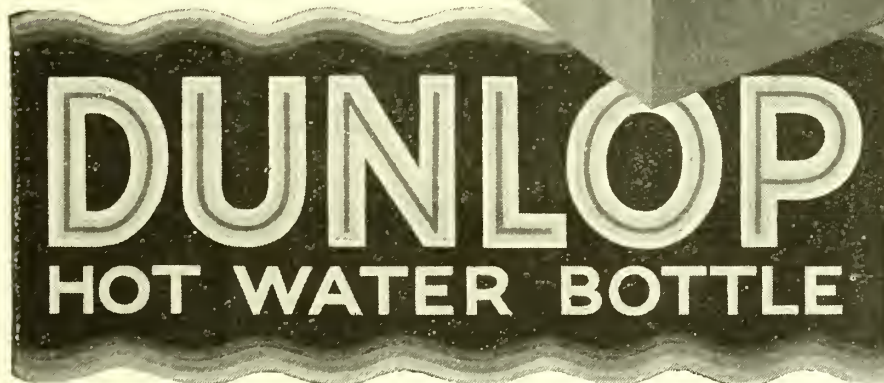
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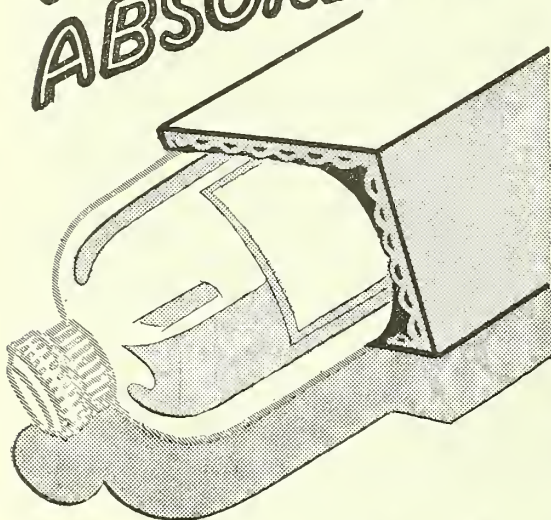
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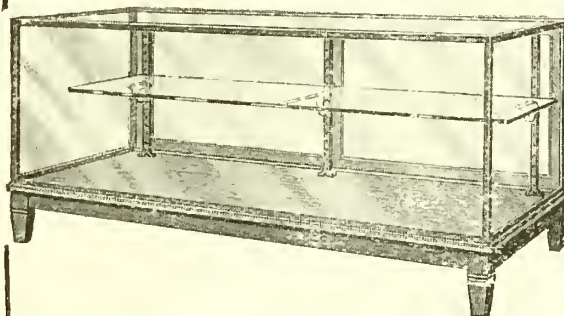
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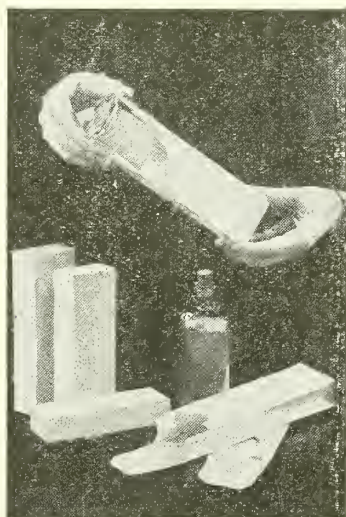
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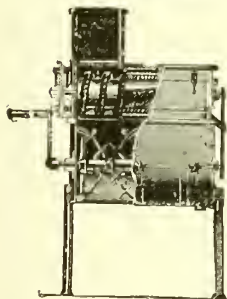


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28 ESSEX ST.
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SUPPLEMENT

OCTOBER 10, 1931

This Supplement is inserted in every copy of The Chemist & Druggist.

THE CHEMIST AND DRUGGIST SUPPLEMENT

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1.—NORTH LONDON.—Cash Retail Business, with Photographic; little N.H.I.; returns approach £4,200, with net profit £1,500; double-fronted shop, well fitted and stocked; good living accommodation; room for garage; property may be purchased, or lease will be granted; terms, valuation of stock and fixtures, plus an agreed sum for goodwill; further details on application.

2.—LONDON, N.—Cash Retail Business, with Kodak Agency and small N.H.I.; returns about £2,000; net profit last year £641; rent £100; sub-let 35s. weekly, which leaves ample living accommodation; stock and fixtures worth about £750; price to be arranged.

3.—SURREY.—General Retail Business, with N.H.I. and Kodak Agency; returns £15-£20 weekly, increasing; double-fronted shop; main road position; rent £100 per annum, which includes living accommodation, long lease, price £650, or valuation terms entertained; deferred terms considered.

4.—CHISWICK.—General Retail Business, with N.H.I. and Kodak Agency; established 1858; returns approximately £1,200 per annum; gross profit about £500; single-fronted shop, fairly fitted and fully stocked; accommodation comprises 10 rooms; private and back entrances; garage; rent £60 per annum; held on lease; price £200 for lease and goodwill, plus stock and fixtures at valuation; vendor will reduce stock to meet purchaser's requirements.

5.—MIDDLESEX.—General Retail Business, with N.H.I.; increasing turnover; present rate £20 weekly; net profit for twelve months £350; double-fronted shop on main road; stock and fixtures worth £450; rent £52 inclusive; held on lease; price about £500.

6.—EALING (Near).—Middle-class Business, with small N.H.I. and Kodak Agency, situate in residential area; returns present rate about £20 weekly, increasing; good profits; double-fronted shop, nicely fitted and amply stocked; 19 years' lease; rent £19 10s. quarterly; rates £16 per annum; price £475, or near offer; ill health of wife sole reason for disposal.

7.—HOUNSLOW.—Family Retail and Dispensing Business, with N.H.I. and Kodak Agency; returns last year £1,860,

with net profit £450; double-fronted shop; stock and fixtures worth £700; five-roomed house with bathroom; rent £100; long lease; price £1,150.

8.—HAMPSHIRE.—High-class Family Retail and Dispensing Business, with Kodak Agency and small Optical; returns last year £2,560 with net profit £550-£600; double-fronted shop; good living accommodation; rent £160; long lease; terms £600, plus value of stock and fixtures.

9.—BOURNEMOUTH (Near).—General Retail and Photographic Business, with Rexall Agency; returns for year ended Lady Day 1931, £1,917; panel, £82, included in turnover; gross profit £689; net profit £441; wages £100 per annum; rent £100; rates £18; held on lease; price £1,100.

10.—KENT.—Retail Dispensing Business, with Kodak Agency, Family and Agricultural trade; very small amount of N.H.I.; returns last year £2,052; net profit £502; rent £85; long lease; valuation terms entertained.

11.—SOUTH COAST.—General Retail Business, situate in good position; established nearly 50 years; returns about £2,750 per annum; net rent of shop £73; held on renewable lease; price to be arranged.

12.—MIDLANDS.—Old-established Country Retail and Dispensing Business, with Kodak Agency; entirely unopposed; returns last year £2,356; double-fronted shop; lying accommodation and garage; rent £57 per annum; held on lease, with option to purchase property; population 3,000; stock worth £750; price about £1,400, or valuation terms entertained.

13.—LINCS. — General Retail Business, with Kodak Agency, situate in the main street of an imposing modern town; established 100 years; returns approximately £2,600 per annum; net profit £600; large house, with side entrance; rent £150, rising to £175; long lease; price to be agreed.

14.—NORFOLK.—Small Country Business, producing about £200 net profit per annum; eight-roomed house, with private entrance; very good garden; new lease; rent £25; no opposition; price about £500; vendor has bought another business; must be sold.

Chemists' Transfers, Valuations for Sale, Stocktaking & Probate

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Quotations for Stocktaking or for Pricing Chemists' Own Stock Records Supplied on Application

Correspondence is invited from prospective purchasers relative to the following businesses for disposal:—

(C1) CENTRAL MIDLANDS.—The opportunity may shortly arise whereby a high-class retail and dispensing business with a five-figure turnover may be available for disposal; pharmacists likely to be interested are invited to write in confidence for particulars to be forwarded when available; Bankers' references required. (Personally recommended.)

(C2) CITY OF LONDON.—An old-established, high-class City pharmacy showing returns of approximately £7,000 per annum is available for disposal privately on account of contemplated retirement; general particulars relative to type, working expenses, etc., will be supplied in strict confidence to bona fide prospective purchasers, and interviews afterwards arranged in cases where it is desired to proceed to negotiation; correspondence, which will be treated in strict confidence, is invited from pharmacists with capital, to whom the proposition is of personal interest. (Visited and recommended.)

(C3) LONDON, NORTH.—Cash retail business doing over £80 weekly; double fronted premises, pleasantly situated and elegantly fitted; net profits (certified) exceed £1,000 per annum; a new 21 year lease will be granted at a yearly rental of £200; good living accommodation; value of stock, approximately £1,350; further particulars to bona fide prospective purchasers upon application. (Visited and recommended.)

(C4) HAIRDRESSERS, SUNDRIES AND TOILET PREPARATIONS.—Good and easily-worked wholesale business, which did over £7,000 in 1930, for sale; turnover being maintained in 1931; gross profits, £1,200; net profits, £700; the business is offered out on the following approximate basis—viz., stock, £1,500; accounts, £1,260; fixtures, £150, goodwill by negotiation; freehold property for sale at £1,500, the purchase of which is optional; the business covers a very small area, and only one traveller is employed; fully investigated, and suggest scope for development and extension by the handling of lines not at present dealt with.

(C5) SOUTHERN COUNTY—CATHEDRAL CITY.—High-class pharmacy doing approximately £50 weekly; excellent living accommodation, which if not required could be sub-let on advantageous terms; good lease; pharmacy well-stocked and fitted; further particulars on application. (Visited and recommended.)

(C6) HAMPSHIRE.—Old-established retail and dispensing business, with good connection in Fancy and Toilet Requisites; average turnover approximately £2,500 per annum; audited accounts available; for disposal on account of family reasons. (Visited and recommended.)

(C7) YORKSHIRE (WEST RIDING).—Retail and dispensing business (unopposed) with wine licence; average returns approximately £1,300 per annum; excellent living accommodation; ladies' hair-dressing saloon attached showing additional profits of approximately £6 weekly; audited accounts available.

(C8) SOMERSET.—Retail and dispensing business, with property situated in small country town; turnover approximately £1,900 per annum; low overhead charges; entirely unopposed. (Visited and recommended.)

(C9) NOTTINGHAM.—Good family business, well situated in middle-class residential district; excellent living accommodation; exceptional scope for increase; purchase price for quick sale, £775.

(C10) LONDON, EAST.—Retail and dispensing business with good toilet and photographic trade; turnover approximately £38 weekly; rent, £65; high percentage profits; reasonable purchase price.

(C11) BEDFORDSHIRE TOWN.—Established retail business doing approximately £26 weekly; good living accommodation; no near opposition; proprietor retiring; also branch business under same ownership; further particulars upon application.

(C12) LONDON—WEST.—Old-established pharmacy doing approximately £2,500 per annum; situated in commanding position; well-stocked and fitted; valuable income derived from sub-letting; net profits as per accountant's report, approximately £675; health trouble sole reason for wishing to dispose; full particulars in confidence to bona fide prospective purchasers. (Visited and recommended.)

(C13) KENT.—Old-established; present returns exceed £2,000 per annum; net profits, £500; rent, £85 on long lease; good scope for increase. (Visited and recommended.)

(C14) SOUTH-EAST MIDLANDS.—Excellent profit-making business with certified returns for the past three years upwards of £2,200 per annum; net profits approximately £550; easily worked; good living accommodation. (Visited and recommended.)

(C15) TEES-SIDE.—Good retail and dispensing business; present turnover approximately £1,750 per annum; net profits, £480; good living accommodation; rent, £110 on lease; bona fide reasons for wishing to dispose. (Visited and recommended.)

(C16) SOUTH STAFFS.—Drug stores situated near centre of busy town; present returns average approximately £12 weekly; business has done £30; good living accommodation; rent £48; excellent scope under qualified proprietorship. (Visited and recommended.)

(C17) WILTSHIRE.—Established business for disposal owing to illness of proprietor; turnover approximately £30 weekly; inclusive rental, £57; good living accommodation.

(C18) SOUTH WALES (NEAR CARDIFF).—Established retail pharmacy; present returns approximately £23 weekly; good living accommodation; low purchase price; owner moving on account of family and health reasons.

(C19) NORTH CHESHIRE.—Good retail and dispensing business situated in pleasant residential district of progressive and extending seaside borough; main road position; audited accounts available; proprietor going abroad on Doctor's orders; capable of every investigation; purchase price for quick sale, £500. (Visited and recommended.)

(C20) LONDON, N.W.—Old-established retail and dispensing business situated in growing residential area; net profits exceed £350 per annum, with good prospects of early increase; low overhead

charges; purchase price approximately £700. (Visited and recommended, particularly to beginners.)

(C21) DONCASTER.—Good retail and family business; turnover approximately £20 weekly; N.H.I. dispensing; low overhead expenses; purchase price, £500. (Visited and recommended.)

(C22) EAST KENT.—Easily-managed business, turnover approximately £1,500 per annum; no opposition; proprietor wants to go North of England; premises, built and designed by owner, also for sale, and consist of up-to-date easily worked house, with lawn tennis court and charming garden; ideal surroundings, and well situated for lover of country; price for premises, £2,000, and for the business, including stock, fixtures and goodwill £1,500, making £3,500 in all. (Personally investigated and recommended.)

(C23) SUSSEX.—Good retail business with quick counter trade, situated in growing seaside resort; turnover for last three years records consistent increase; present returns, £30 to £35 weekly; rent, £35 on lease; good living accommodation; business easily worked; net profits exceed £450 per annum; reasonable purchase price; nearest chemist to sea front. (Visited and recommended.)

(C24) SURREY.—Pharmacy, well situated in busy trading centre; double-fronted premises with good living accommodation; returns for last three years exceed £2,250 per annum; freehold premises also for disposal, on which a mortgage can be arranged if desired.

(C25) BOURNEMOUTH (NEAR).—Good family business showing steady and consistent increase; returns for 1930-31 financial year approximately £1,350; premises comprise modern double-fronted shop, with good living accommodation, situated in growing residential district, with no near opposition.

(C26) LONDON (EAST).—Retail pharmacy, old-established, showing returns of approximately £90 weekly; premises comprise double-fronted shop and warehouse, together with good living accommodation; long lease at moderate rental; purchase price to include lump sum for lease and goodwill, stock and fixtures at valuation, or by agreement.

(C27) YORKSHIRE (WEST RIDING).—Established pharmacy, neglected, but possessing undoubted scope, available for disposal at valuation of stock and fixtures only; the property may be acquired at a low figure, or a lease might be arranged at an agreed rental; present takings approximately £25 weekly, but these figures could be increased considerably in a short time under personal proprietorship or adequate management; special circumstances necessitate a quick sale; the business, however, is a sound one and constitutes an exceptionally good investment as the possibilities are well apparent. (Visited and recommended.)

(C28) NORTH MIDLANDS.—Unopposed retail and dispensing business in small country town; turnover approximately £45 weekly; good living accommodation; average net profits for past three years exceed £450 per annum; rent, £57 on lease. (Visited and recommended.)

(C29) LANCASHIRE.—Wholesale Drug and Surgical Instrument business for sale, owing to death of principal; established over 100 years; full particulars to bona fide enquirers.

(C30) HEREFORDSHIRE.—Old-established family and dispensing business; average turnover approximately £3,200 per annum; rent £100 on lease; situated in busy thoroughfare and within easy reach of growing residential district. (Visited and recommended.)

(C31) KENT (COASTAL TOWN).—Pharmacy with optical connection, splendidly situated in busy thoroughfare; present returns approximately £1,950 per annum and increasing; well stocked and fitted; living accommodation available; owner disposing on account of health trouble; low purchase price.

(C32) YORKSHIRE (NOT WEST RIDING).—Pharmacists who would be interested in a good family and agricultural business doing upwards of £80 weekly, are invited to write for the necessary introduction.

(C33) LINCOLNSHIRE.—Retail and dispensing business showing returns of approximately £2,250 per annum; rent, £110; lease, 12½ years unexpired; further particulars on application.

(C34) LIVERPOOL.—Pharmacists desirous of purchasing sound propositions in this City are invited to write in confidence for particulars of businesses which have been fully investigated and can be well recommended.

(C35) BRADFORD.—Corner pharmacy, well situated near city centre; returns approximately £45 weekly; very low net rental, consequent upon regular and recurring income from sub-lets; undoubted scope for increase; pharmacy well stocked and fitted; exceptional opportunity, as the owner, for personal reasons, is willing to dispose at a sacrifice. (Visited and recommended.)

(C36) LONDON, S.W.—Old-established high-class retail and dispensing business centrally situated in wealthy district; present returns approximately £2,500 per annum; net profits, £600; good living accommodation. (Visited and recommended.)

(C37) LEICESTERSHIRE.—Pharmacy recently converted from Drug Store, showing steady development; main road situation; entirely unopposed; low purchase price. (Visited and recommended.)

(C38) CHESHIRE.—Drug Store situated in small market town; present returns under lady management, approximately £15 weekly; good living accommodation; no near opposition; could be increased considerably under qualified proprietorship.

(C39) SOUTH WALES.—Good retail and dispensing business prominently situated in small market town midway between Cardiff and Swansea; returns record steady increase for last three years; turnover for 1930-31 exceeded £1,800; net profits, £400; genuine reasons for disposing; purchase price approximately £1,250.

(C40) BIRMINGHAM.—Retail and dispensing business doing approximately £1,350 per annum; net profits exceed £300; main road situation; double-fronted shop, well stocked and fitted; moderate rental on lease; reasonable purchase price. (Visited and recommended.)

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2.—LONDON, S.E.—Acid, Drug and Chemical Business for quick disposal. Premises held on weekly tenancy at 14s. per week. Returns average £25 per week. Stock and fixtures estimated at £500. Offers invited.

3.—DEATH VACANCY.—DEVON.—Cash retail dispensing business recently opened. Reasonable lease will be granted or freehold may be acquired. Returns between £1,500 and £2,000, all cash. Good living accommodation. Applications for further particulars invited.

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1.—SOUTH COAST.—High-class Retail and Dispensing Business; has been neglected; present returns £40 a week; scope for being doubled; splendid position; handsome pharmacy; fully stocked; valuation terms arranged.

2.—CUMBERLAND.—Mixed Country Retail, with Wines and Spirits; returns £2,160, increasing; net profit £650; nice house; no opposition; price, with property, £2,585, or offer.

3.—SOMERSET (Death Vacancy).—High-class Business, unopposed; returns £1,570; net profit £482; convenient house, garden, etc.; stock and fixtures valued £700; price, with Freehold, £1,600.

4.—HANTS (Nr. Bournemouth).—Sound light Retail, in growing district; returns £1,357, steadily increasing; modern pharmacy and house; large garden; ill-health sole cause of selling; price £950, or valuation terms arranged.

5.—ESSEX COAST.—Good middle-class Retail and Dispensing Business in growing district; main road position; present returns average £54 weekly; good living accommodation, garage, etc.; price for early sale £750.

6.—HERTS (Few Miles Out).—Light Family Retail, with Kodak Agency; returns last year over £1,500; net profit about £450; low rent on lease; good stock; price £850; recommended.

7.—HANTS COAST.—Good-class Family Retail, with Kodak Agency, in rapidly growing residential district; present returns £110 monthly, increasing each month; splendid modern premises; long lease granted; price £1,150; worth attention.

8.—LONDON (Essex Suburb).—Light Cash suburban, with good panel; returns over £2,200; net profit £585; main road position; good house; price, with freehold, £5,000.

9.—BAKER STREET STATION (Near).—Good-class Dispensing and Retail; turnover £2,200; excellent profits; long lease; well stocked; price, including book debts, £1,150.

STOCKTAKING VALUATIONS.

We are prepared to undertake this work at special low rates and invite early applications; we are now booking dates for October onwards.

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WELL-KNOWN Representative, now commencing as an Agent, requires several leading advertised Proprietaries, Toilets, Sundries, etc. which *must*, however, be the products of first-class firms only. Complete office organisation and travelling staff will be at the disposal of the products, and whether old or new lines, a guaranteed turnover is assured, with a much-better distribution and sales-service than you now obtain, backed by intensive working and propaganda. Showrooms available. Stocks kept if necessary. Territory covered—the British Isles.

Whatever your requirements, large or small, you cannot do better than write for full particulars of this exceptional opportunity which will cut your costs, and make your balance sheet look healthy. A staff of eight travellers, each of whom knows his job, will bring your products to the forefront of the market, and a comprehensive sales service with the individual attention of the advertiser will maintain a sales record you have never equalled.

Think this over, realise the importance of real representation that will maintain and increase upon your present output. Why stay out in the cold? Don't delay. Send now for particulars and grasp this opportunity of prosperity on an economical basis.

Reply, giving fullest details, to 192/808, Office of this Paper.

SALE BY AUCTION.

THURSDAY, OCTOBER 15, at 12 noon,

At 2 UPPER STREET, ISLINGTON, LONDON, N.
(near Angel).

MESSRS. STEVENS'S AUCTION ROOMS, LTD.,
have received instructions from Messrs. J. Skewes, Ltd., to SELL BY AUCTION (without reserve), on the premises as above,

The extensive STOCK and FITTINGS of an old-established CHEMIST'S SHOP,

consisting of Surgical Appliances, Scientific Instruments, Toilet Requisites, Proprietary Articles, large quantity of Drugs, Bottles, etc., and the well-made Mahogany Fitments, Showcases, Counters, etc.

On View day prior, 10-5. Catalogues on application to Auctioneers, 38 King Street, Covent Garden, W.C.2.

PREMISES TO LET.

HUNTS.—Very attractive Shop to let in main street; rent and rates low; suitable for Chemist and Fancy Goods; assured turnover of good-class trade; has been let on lease to chemist, etc.; should be seen to be appreciated; appointment arranged. 50/8, Office of this Paper.

TO Let, Shop in the centre of Colne, Lancashire; occupied by Chemist for nearly 35 years. Apply Holgate & Spivey, Architects, Colne.

BUSINESSES FOR DISPOSAL.

BLACKPOOL.—Old-established, middle-class Chemist's Business for disposal; prominent main road position; easily worked; net profits last year £300; has done a great deal more, and could be improved considerably in hands of younger person; full particulars to genuine buyers with cash; owner retiring. 47/38, Office of this Paper.

BOURNEMOUTH.—Light Retail and Dispensing, with Photographic; opened last year; splendid opportunity for development; well stocked and fitted; lease; moderate rent; for quick sale will accept £550. 50/16, Office of this Paper.

BRISTOL.—Old-established Retail and Dispensing Business; good Proprietaries; large house, in good repair, on lease; small N.H.I. and Photography; healthy suburb; audited accounts; scope for Optics; owner moving on account of family and health reasons. 49/38, Office of this Paper.

HAVERFORDWEST.—Chemist's Business for sale; premises consisting of lock-up shop, Dispensary and store-room; situate in best street in town; long lease; moderate rent; good reasons for disposal; valuation of stock and fixtures for quick sale. Full particulars, W. J. Jones & Evans, Solicitors, Victoria Place, Haverfordwest.

HERTS.—Light Cash Retail; Kodak, etc.; growing place; no opposition; nice house and garden, or could let off; good-class trade; price about £1,200 (£700 down, balance by arrangement if desired). Full particulars from 47/4, Office of this Paper.

LIVERPOOL.—Lock-up Pharmacy, well fitted and stocked, in the City; easy hours; would suit single man or multiple firm; good profit and unlimited scope for increase; good lease; owner leaving the Retail; price about £1,200 as a going concern; no agents; genuine applicants will get a square deal. 51/14, Office of this Paper.

LIVERPOOL (Main Road).—Old-established and very profitable Business for disposal; double-fronted; Kodak Agency; low rental; returns over £1,500, including 8,000 N.H.I.; scope for Optics; lengthy introduction given; price £850. 51/12, Office of this Paper.

LONDON, N.W.—Lock-up, double-fronted Drug Stores in main road; trams, buses, etc., pass door; thickly populated working-class district; returns £18 per week under female management; immense scope for live chemist; practically unopposed; long lease; electric light; library; well stocked and fitted; rent 50s. per week inclusive; vendor wishes to sell immediately; offers invited; genuine concern; any trial allowed. Apply 48/9, Office of this Paper.

LONDON (Western Suburb).—Commanding main road position; middle-class Cash Retail, with Kodak Agency; modern double-fronted shop, well fitted and stocked; takings last year £1,725, still increasing; price £1,200, or near offer. 48/35, Office of this Paper.

LONDON, W.1.—Excellent opportunity for enterprising and energetic pharmacist to take-over established business; Optics, Photographic, Surgical and small Wholesale connection; well stocked and fitted; price for quick sale, £1,150. 49/9, Office of this Paper.

NEAR BRADFORD.—Established Business; Kodak Agency, full Wine Licence; N.H.I. 300 per month, private 200 per month; returns approximately £1,200; net £300; nice house and garden; no opposition; all books audited; in addition runs very profitable side line; well stocked and fitted; price £900 or valuation; property, freehold, also to be sold; good reasons for disposal. 193/835, Office of this Paper.

A CASH Pharmacy in Devonshire, double-fronted, lock-up corner shop; lease 12 years unexpired at £52 inclusive; N.H.I. being daily refused; this a sound proposition for a qualified lady or gentleman; owner, who has other interests, will accept £300 for quick sale. 47/19, Office of this Paper.

A UNIQUE opportunity to purchase Light Retail, Dispensing, Photographic Business; healthy suburb Midland town; wonderful scope for increase; cash trade; living accommodation soon; modern mahogany fittings; stock and fixtures at valuation; £450 approximately; goodwill by arrangement; part payment considered; reasons for disposal; expenses low; genuine inquirers only please; turnover £800; suit beginner. 50/15, Office of this Paper.

FOR SALE; bargain; Essex, N.H.I.; Kodak; genuine Business for owner-manager; average last four years £1,500 under manager; must sell; cash required; stock and fittings at valuation, plus goodwill £500; could do much better with live man. Apply P.C.B. 8/6, Office of this Paper.

MANUFACTURING BUSINESS, established 15 years, covering 7,000 accounts; (owing to death of proprietor of British Toilet and other Pharmaceutical preparations) must be sold outright; most valuable connection and formulas; well-known named proprietary products. Write in confidence to 193/838, Office of this Paper.

MR. ALEXANDER begs to state that owing to his recent indisposition he is reluctantly compelled to dispose of his business immediately and shall be pleased for any legitimate inquiry. In order to obviate the necessity of the usual particulars, semi-control will be given to the successor before purchase. 209 London Road, Liverpool. Tel.: 964 North.

NOMINAL figure asked for lease and fittings shop in London, E.; owner shortly moving to branch in suburbs; willing to let working stock remain at very reasonable figure (mutually arranged); rent £120 (main road); flat above would easily let to cover over half rent (side entrance available); trade nearly £20, including Panel; no Sunday or half-day duty; energetic worker could soon increase, even if run as a Drug Store; do not delay "requesting further particulars." Write for appointment to view. 50/19, Office of this Paper.

BUSINESSES WANTED.

BERDOE & FISH are in urgent need of sound Businesses in all parts; cash buyers with capital up to £3,000 waiting to take immediate possession; correspondence from intending vendors cordially invited; quick sales negotiated privately. Transfer Offices, 41 Argyle Square, King's Cross, W.C.1. Phone: Terminus 3574.

MESSRS. ORRIDGE & CO. are in a position to dispose of several sound concerns in London or the South; turnover required £2,000 to £10,000; cash waiting; prospective vendors should apply at 56 Ludgate Hill without delay. Telephone: City 2283.

AGENCIES.

ADVERTISER, with well-established connections covering Northampton to North Scotland, desires Agency several advertised Proprietary lines, etc.; commission basis; own office, travellers; substantial turnover guaranteed for right articles; offers invited from first-class firms only. 47/28, Office of this Paper.

EXPORT TO NORWAY.—Well-established Agent in Oslo, for over 10 years representing Germany's biggest and leading manufacturers of Chemists' Equipment, Cartons, Printed Matter, Ointment Pots, Medicine Glasses, Cotton Wool and Dressing Apparatus, wants English connections in the same line on account of the altered foreign currency conditions. References and bankers will be named. Please write Eugen Moller, Oslo, Norway.

OLD-ESTABLISHED firm of British Manufacturers of Surgical Hosiery, Bandages, etc., require an Agent for Eastern Counties, calling on Chemists; liberal commission on all sales in area. Reply 40/28, Office of this Paper.

SALES ORGANISATION.—An old-established firm of manufacturers, with an excellent connection and open accounts covering the whole of the Retail Chemists and allied traders in the United Kingdom, employing a staff of experienced direct Travelling Representatives, is now open to take over the selling of one more Proprietary, and can undoubtedly show economy in selling costs with increased sales. Replies in first instance, by letter, to Box 52, c/o Crossley & Co., Ltd., 5 Racquet Court, Fleet Street, London, E.C.4.

PARTNERSHIPS.

PHARMACIST seeks Financial (Syndicate or) Partner, qualification unnecessary, to acquire and consolidate live high-class businesses; one who will take active interest desirable. Apply BM/FA4N, London, W.1.

PHARMACIST (young) desires Partnership in good-class Retail business; capital for investment up to £500. 49/12, Office of this Paper.

PHARMACIST with capital is open to consider Partnership in established business, preferably one where the vendor may be contemplating retirement; all particulars treated in strict confidence. Apply 193/839, Office of this Paper.

APPRENTICES.

APPRENTICESHIP required in London, S. or W.; passed Preliminary Scientific examination; some experience. Apply P.C.B. 7/34, Office of this Paper.

APPRENTICESHIP to a Chemist in W. or S.W. district wanted by youth; passed London Matriculation. P.C.B. 7/36, Office of this Paper.

NEW Student requires position as Apprentice in high-class Chemist; Manchester district. Rench, Ashburton Road, Trafford Park.

YOUTH, 16½, seeks Apprenticeship; near Watford preferred; passed Preliminary; good appearance; 12 months' experience in busy East London shop; good Salesman, Window-dresser and capable N.H.I. Dispenser; knowledge of Photography; highly recommended. Liff, 31 Queen's Road, Watford.

SITUATIONS OPEN.

RETAIL (HOME).

CROYDON. Vacant for Junior or Improver of gentlemanly manner and address, with some knowledge of Chemist business and Window-dressing. Apply, stating salary, experience, and references, to R. Barron, M.P.S., 77 High Street, Croydon.

LONDON. Qualified Manager, to take charge of branch shop; salary and commission. Apply, with full particulars of experience, etc., also stating when at liberty, Marshall, Chemists, 78 High Street, Kingsland, E.8.

MANCHESTER. Experienced, reliable Branch Manager, also Junior Assistant, required for working-class Family business; must be courteous, sober, honest, accurate Dispenser, smart Window-dresser; not afraid of work; live out; only capable men need apply within 50 miles' radius. State salary and full particulars. 48/8, Office of this Paper.

MANCHESTER. Qualified lady or gentleman; permanency with private, progressive Chemists; photo (with stamped envelope); invest £150, returnable with interest monthly by agreement; commence low salary, £5, with view to take active interest later. Full particulars first letter with undeniable references. 50/33, Office of this Paper.

OXFORD. Capable male Junior Assistant wanted for two months for good-class Dispensing and Family business; one who has passed Part I requiring time for study would suit. Full particulars and photograph to Druce & Co., 118 High Street.

SCARBOROUGH. Qualified Assistant wanted; able to manage. Apply, with full particulars, age, height, and salary required and when disengaged. Homes, "Semiolo," Seabury Road, Newby, Scarborough.

A PERMANENT and progressive position is offered to a qualified Assistant to take sole charge of Dispensing department; country district; easy hours; salary £3 weekly to commence. Particulars in first letter to Malcolm, c/o 63 Exeter Road, Exmouth, Devon.

ASSISTANT (male), young, unqualified, required shortly; reliable Dispenser and Counterman; not afraid of work. Apply, with full particulars, age, height, etc., photo if possible (returned if studio) and salary required, to Manager, Wride & Co., Chemists, Totton, Hants.

BRANCH Manager required soon for small Business in good-class residential district near Bath; great scope for increase; private and N.H.I. Dispensing, with Photography. Please give full particulars, with photo, in first letter; permanency and good prospects to suitable man. 48/27, Office of this Paper.

IMMEDIATELY, for approximately two weeks, Junior Assistant; male; young. Apply, bringing references, to Green, Chemist, 62a Plumstead Common Road, Plumstead, S.E.18. Phone: Woolwich 1303.

JUNIOR (lady or gentleman). Give full particulars of experience, salary required, etc., and when disengaged; if personal application, please call Saturday or Monday, not Friday. Plomley & Aldis, 51 Fife Road, Kingston-on-Thames.

LADY or gentleman (young), fully qualified, for medium business in London; accustomed to quick Counter trade and Panel work; good opening for one with provincial experience. Full particulars to "Q," P.C.H. 8/7, Office of this Paper.

MANAGER, qualified in Pharmacy and Optics, required to take charge of branch in middle-class district. Apply by letter in first instance, giving full particulars of past experience and salary required, to 308 Earl's Court Road, S.W.5.

PATENT MEDICINES AND PERFUMERY. — Wanted, Manager of these departments in large Store; previous experience essential; excellent prospects for young and ambitious man. Write, stating age, and details of experience, with length of service in each case. 47/26, Office of this Paper.

PART-TIME Assistant wanted, Monday, Tuesday, Wednesday and Friday evenings, 6-8 p.m. Apply, with full particulars, experience, salary required, etc. Suit student. 50/29, Office of this Paper.

PHARMACY. Qualified Chemist required to take charge of a Retail Branch in South-East district; age 25-35; must be thoroughly capable man, experienced in every branch. Unqualified Assistant (male), age about 25; good all-round experience, Dispensing, etc., necessary. Female Assistant, unqualified or Hall Certificate; must have general pharmaceutical and shop experience. Apply, in writing, stating age, experience and salary required, to Staff Manager, Royal Arsenal Co-operative Society, Ltd., 148 Powis Street, Woolwich, S.E.18. Enclose envelope "Pharmacy." Note.—Canvassing of members of the General Committee or officials will disqualify.

QUALIFIED Manager for small branch; man to accept moderate salary with commission on turnover; original ideas to build a business up; must be smart man. Apply, with particulars of salary, etc., to Booth, Chemist, Crews.

QUALIFIED Assistant in small Multiple Company near Croydon, aged about 26-30, in medium-class business; must be good Window-dresser, Counterman and accurate Dispenser; moderate salary; good references essential. Full particulars, age, experience, and salary required. "Chemicus," 48/26, Office of this Paper.

QUALIFIED Manager wanted; married; live over premises; good Window-dresser and Dispenser. J. M. James, 256 King Street, W.6.

REQUIRED shortly, Manager with sound experience in Pharmacy and Optics in the South-West district; permanency and good prospects for energetic man. Reply, stating full particulars of past experience and salary required, to 49/13, Office of this Paper.

UNIQUE opportunity for qualified Chemist with some capital to take sole charge of, and an interest in, new shop to be opened in fashionable and growing Sussex seaside resort; knowledge of Optics an advantage. Apply in first instance by letter, giving particulars, "H," 46/27, Office of this Paper.

WANTED, an unqualified Assistant in a good-class Dispensing business in Surrey; must be reliable Dispenser. Apply 47/24, Office of this Paper. Please do not include anything of a returnable nature.

WHOLESALE.

A FIRM of Foreign Importers of Toilet and Beauty Products is desirous of establishing a Factory in this country, and require the services of a first-class Chemist conversant with Manufacturing and establishing of a Laboratory; one able to take complete charge; good salary and share of profit to the right man. 46/10, Office of this Paper.

A FIRM of sound position, manufacturing Food Stuffs which enjoy universal distribution, require the services of a competent Works Manager who could take supreme control of the whole factory, including the plant; a thorough technical knowledge of Chemical Engineering (Electrical and Mechanical), together with a practical Manufacturing Pharmaceutical experience, is essential; this is a good opportunity for the right man, who would be given full scope for his initiative and liberally treated when proven. Replies, which will be treated confidentially, must fully state the applicant's history from school age, qualifications, commencing salary expected, and age. 193/837, Office of this Paper.

ATTRACTIVE SIDE LINES.—Representatives (commission) to carry readily saleable side lines; small, easily handled samples; already well-known lines and easily sold by men who can sell. Apply 47/5, Office of this Paper.

LADY Chemist (must be qualified) required for office in East London district; no dispensing; hours 9 to 5. State age and salary required. 193/831, Office of this Paper.

REPRESENTATIVE required by manufacturers to sell to Chemists first-class range of Specialities sold under "Known, Admitted and Approved Remedies Concession"; salary and commission; progressive position; suit smart young assistant who is salesman. Correspondence treated in confidence. Apply 45/14, Office of this Paper.

REPRESENTATIVES, calling on Chemists, Druggists, Wholesale and Retail and Stores, required for very old-established and well-known Toilet Preparations; liberal commission. Write territory covered, copy references. "P," 193/833, Office of this Paper.

REPRESENTATIVES or Agents required for L'onglex Manicure Preparations for London (South of the Thames), Scotland, Ireland, Midlands and North of England; profitable sideline for gentlemen with an established connection. Apply L'onglex Laboratories, 12a Kenway Road, Earl's Court, S.W.5.

REPRESENTATIVES in all parts of the British Isles required, having first-class connection with Chemists, Hair-dressers and Beauty Parlours; remuneration by commission only, but of substantial amount. Reply, with full particulars, to Terradium Beauty Products, 6 Livery Street, Birmingham.

SALESMEN wanted, with Perfumery connection, to carry popular line in following territories: Midlands, North England, South England, West England; good commission. Write particulars. 193/832, Office of this Paper.

SALESMEN, covering Lancashire and North Cheshire ground, wanted to carry new nationally advertised line as side line at first; Chemists, Grocers and allied trades; much initial work already done. Full details prior to interview. Autocrat Co., 87 Mosley Street, Manchester.

TO gentlemen having sound connection with Wholesale and Retail Chemists. The M.M.T.P. Co. are widening the scope of their activities (for their popular pack in carton) and offer a profitable proposition to commission Salesmen in centres where not already represented. Write for terms of this daily commodity, with unlimited prospects; give particulars, ground covered, lines carried. The Miss Muffet Toilet Paper Co., 1 Julian Road, West Bridgford, Nottingham.

WET Counter Assistant required by North London Drug House. Apply, stating full particulars, experience, age, and wages required, 193/834, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN.

CHINA.—Required for Hankow, Qualified Pharmacist, single, between 21 and 25; five years' contract; sail January 1932. Full details from "Alpha," 193/840, Office of this Paper.

SITUATIONS WANTED.

RETAIL (HOME).

A.A.A.A.—£4 per week secures experienced, qualified Manager (28); excellent references; 13 years' experience, including West End; will go anywhere; free now. 49/27, Office of this Paper.

A.A.A.—ADVERTISER; 40; unqualified; experienced; 5 ft. 9 in.; abstainer; Locum; permanency preferred; disengaged. Alexander, 189 Southampton Street, S.E.5.

A.A.A.—COMPETENT Junior Assistant; 21; 4 years' experience, Dispensing, Counter; references; 6 ft.; good appearance and address; disengaged. Huxham, 19 Cambridge Grove, Ilfracombe.

A.A.A.—FIRST-CLASS Salesman-Dispenser; 17 years' experience; excellent references; 10 years West End; age 31; disengaged; urgent; London. Reed, 3 Stacey Street, W.C.2.

A.A.A.—M.P.S., 26, keen, reliable, and good personality, desires re-engagement; extensive experience and excellent references; interview appreciated; free shortly. L. Baker, 103 Listria Park, Stamford Hill, N.16.

A.A.A.—QUALIFIED lady desires position in London or West London suburb; excellent West-End experience; free now. Miss Sachs, 28 Camborne Avenue, Ealing, W.13.

A.A.—ASSISTANT; unqualified; 26; 9 years' good-class experience, London and provinces; Counter, Dispensing and Photo (including D. & P.); disengaged. Bowler, School House, Haverfordwest, Pem.

A.A.—CAPABLE Assistant; London experience; Dispensing, Counter, Windows, Prescribing; moderate salary; unregistered. "E," "Cwmiar," Llanybyther, South Wales.

A.A.—COMPETENT, energetic, qualified, tall, 25; Manager or Assistant; experienced city and country; good appearance and references; disengaged now. Wall, 218 Boldmere Road, Wyde Green, Birmingham.

A.A.—M.P.S., 26, shortly completing long period of relief and emergency work, desires permanency; London and provincial experience; highly recommended. 49/35, Office of this Paper.

A.—FREE shortly; qualified; 27; excellent all-round experience in Window-dressing and Counter work; quick and accurate Dispenser; London or provincial; moderate salary; permanency. Powell, "Ba-Har," Waterloo Road, Haslington, Crewe.

A.—LOCUM; qualified; long or short period; experienced all branches; active; excellent references; terms moderate. "S. C. J.," 54 Priory Road, West Hampstead, N.W.6. 'Phone: Maida Vale 8212.

A.—QUALIFIED Manager, 28, tall, well experienced, London and provinces, desires post. "Statim," 117 Porter Street, Preston, Lancashire.

A.—CHEMIST, 25, qualified, requires permanency; London or Southern Counties; disengaged. "Chemist," 58 Queen's Road, Wimbledon.

A.—CHEMIST, qualified, requires permanency; capable all branches of pharmacy; excellent testimonials; trustworthy and reliable; London preferred; age 26. "Chemist," 40 Lansdowne Gardens, Stockwell, S.W.8.

A.—QUALIFIED lady, 23, desires permanency; good experience; London or suburbs. "H. D.," 1 Hopfield Avenue, Brondesbury Park, N.W.6.

A.—QUALIFIED Chemist desires permanency; London or vicinity; good knowledge of Photography, Salesmanship, etc.; excellent references. 50/34, Office of this Paper.

A.—COMPETENT woman Dispenser, middle-aged, young personality, offers efficient assistance, Surgery or small Institution, in exchange Unfurnished Accommodation—two persons. "Spero," 5 Cromwell Avenue, Cheshunt, Herts.

A.—YOUNG, qualified Chemist desires post in London; tall; smart; good appearance; excellent references; high-class London and provincial experience. Jones, 1 Rosebery Road, Boscombe, Hants.

A.—YOUNG, qualified Manager desires post; permanency; capable of controlling staff; first-class references; Eastern Counties preferred; not essential; disengaged. Maidens, 42 Dixon Street, Lincoln.

A.—BROAD OR HOME.—Qualified Pharmacist requires position; age 23; experienced managing; free; quick, careful Dispenser; excellent education. 49/7, Office of this Paper.

A.—N Assistant, 19½, desires permanency; keen; reliable; four years' experience; sound knowledge Dispensing (Private and N.H.I.), Photography, Counter; references; disengaged. "K.," 47 Aldbourne Road, W.12.

A.—S Book-keeper (qualified lady Dispenser); experienced; Chemist or Doctor. "G. V.," 228 Hendon Way, Hendon Central, N.W.4.

A.—S Locum or permanency; Assistant; 23; unqualified; excellent West-End experience and references; all branches; good appearance; disengaged. 50/24, Office of this Paper.

A.—ASSISTANT, unqualified, desires post in Bournemouth or near; 5 years' all-round experience; good references. Apply 47/15, Office of this Paper.

A.—ASSISTANT; unqualified; 24; West-End apprenticeship and experience; excellent references; good all-round experience in busy businesses. Orilton West, 4 Cyprus Road, Church End, Finchley, London, N.3.

A.—ASSISTANT (male); qualified; good appearance; 5 ft. 9 in.; 23; Counter, Dispensing, Photography; 5 years' excellent experience; highest reference; disengaged. Johnstone, Station House, Stobo, Peeblesshire, Scotland.

A.—ASSISTANT; experienced Saleswoman; 10 years all pharmacy duties; adaptable to any emergency; can take charge; excellent references. 48/24, Office of this Paper.

A.—ASSISTANT; unqualified; 13 years' experience, Counter, Dispensing and Window-dressing; disengaged; age 28; tall; trustworthy. Tuck, 71 Wellesley Road, West Croydon, Surrey.

A.—ASSISTANT, unqualified, 23, Counter, Dispensing, Photographic, desires position; near recognised training centre. "Glenmore," Kings Close, Bell Lane, Hendon, N.W.4.

A.—ASSISTANT, qualified, 23, desires permanency immediately; all-round experience; excellent references; moderate salary. C/o Morgan, Chemist, Rhymney, Cardiff.

A.—ASSISTANT; unqualified; 23; good experience in all branches. Maverley, 124 Stockwell Park Road, Brixton Road, S.W.9.

B.—BLACKHEATH.—M.P.S., 33, desires post, Locum or part-time, locally; experienced Manager; highest credentials; disengaged. D. Waite Wilson, 25 Lee Terrace, S.E.3. Telephone: New Cross 0314.

B.—BRIGHTON DISTRICT.—Lady (26), five years' qualified experience, desires part- or whole-time post. Williams, 77 Freshfield Road, Brighton.

C.—CAPABLE Assistant; 21; height 6 ft.; 5 years' sound London and provincial experience; London Matriculation and Part I; business-like Salesman, accurate Dispenser. Scott, 26 Mornington Crescent, N.W.1.

C.—CHEMIST; qualified; tall; 21; 6 months' London experience; experienced Counter-hand and Dispenser (N.H.I.); window and shop display; references; anywhere considered. Geddes, "Tarwathia," Pringle Street, Buckie, Banffs.

C.—CHEMIST, qualified, Scot, 30, desires position as Manager or Senior; good experience, both private and store. 50/180, Office of this Paper.

D.—DEMONSTRATOR, trained Hospital Nurse, of good appearance, experienced Saleswoman, desires situation; London preferred. Address "B. M.," P.C.B. 7/39, Office of this Paper.

D.—DISPENSER wants situation; Hall Examination; 7 years' experience with Doctor. Miss Kirby, Vicarage Lane, Duffield, Derby.

E.—EVENINGS AND SATURDAYS.—Capable young Assistant, unqualified, desires position; Brighton district. Write M. Bartley, 37 Islingword Place, Brighton.

E.—EXPERIENCED Assistant desires post; Counter, Dispensing, Photo, Toilet, etc.; references; capable taking charge. Apply "Thyroid," 47/39, Office of this Paper.

E.—EXPERIENCED; unqualified, but competent; tall; Scot; many years' good all-round experience, Dispensing, Counter, Photo; quick, clean, accurate; highest references; free end October. Johnstone, 11 Rosebery Avenue, Gloucester.

G.—GENTLEMAN, M.P.S., 27, 5 ft. 11 in., good appearance and address, desires change, Manager or Senior; 12 years country and West End; good Window-dresser and Counter hand, quick and accurate Dispenser; excellent references; present managership 3½ years; disengaged immediately when suited. 48/40, Office of this Paper.

H.—HAVE you a neglected branch store? A keen, young, business-builder M.P.S. will shortly be free to accept responsibility of rebuilding it for you. 49/350, Office of this Paper.

I.—IMMEDIATE.—Assistant (22) (referred Part I) seeks post until beginning of February; good Dispensing and Counter experience; conscientious ready worker. "Treco," 5 Clovelly Avenue, Hendon, N.W.9.

J.—JUNIOR (Part I), tall, desires situation, London or large town; 4 years' experience. Heywood, 130 Boston Avenue, Southend.

J.—JUNIOR, 19, requires position; London preferred; free immediately; tall; 3 years' experience. Hitchcock, 6 Birkheads Road, Reigate, Surrey.

J.—JUNIOR Assistant, 21, seeks situation; 6 years' experience good-class Counter and Dispensing. Cooper, "Ivinghoe," Longmore Avenue, New Barnet.

J.—JUNIOR, Chemist's son, 21, tall, smart appearance, desires post in good-class pharmacy in City; London preferred; excellent references; 4½ years' experience. Bingham, "Homeleigh," East Borough, Wimborne, Dorset.

K.—KATHLEEN M. FOX; qualified; Locum or permanency; Northern county preferred; excellent references. 210 St. George's Road, Bolton.

L.—LANCASHIRE.—Experienced (5 years) unqualified Assistant (referred Part I); excellent references; efficient and competent in Dispensing, Counter, Window-dressing and Photography; available any time. Hudson, 211 Wigan Road, Ashton-in-Makerfield.

L.—LADY, qualified, tall, Scot, age 29, Dispensing, Counter and Photographic experience, desires situation; free now. 47/31, Office of this Paper.

LADY Dispenser (Hall), 6 years' experience, Dispensing and Retail, requires post, London district; Locum or permanency; excellent references. 47/33, Office of this Paper.

LADY Assistant (Hall) desires post immediately, anywhere; keen worker; typing and books. Miss Armour, Weald Lodge, St. Albans.

LADY, unqualified, 23, desires situation as Assistant in North of Scotland; 6 years' experience, Dispensing, Counter work, Photography. 48/28, Office of this Paper.

LADY (Hall) desires situation; 7½ years' excellent experience and testimonials; Loudon; Chemist preferred. Prince, 20 Denbigh Road, W.11.

LOCUM; qualified; October 12 onwards; excellent references; Loudon or suburbs. "Chemist," 37 Sackville Gardens, Ilford.

LOCUM, M.P.S., seeking business, will do Locum or manage a business in the market, object purchase; South. P.C.B. 7/32, Office of this Paper.

LOCUM; qualified; registered R.P.I.; disengaged; long or short periods; reliable. "L," 2 Manton Way, Galphus Road, Thornton Heath.

LOCUM or Relief; qualified; 33; any period; good experience; Assistant or Manager. "Chemist," 50 Grove Lane, S.E.5.

LOCUM; full- or part-time; excellent references. "S. S.," 135 High Road, Lee, S.E.13.

MANAGER, qualified, Scot, married, experienced, particularly in sales and display, good reasons for change, excellent references, desires permanency where scope for ability and initiative given. P.C.B. 7/1, Office of this Paper.

MANAGER or Senior, 32, married, qualified 10 years, desires permanent post; no large multiple firms; best London and provincial experience; interview Thursday afternoons or Sundays; £5 weekly, with living accommodation if possible. Bach, c/o Huggins, Rectory Road, Stoke Newington.

MANAGER or Locum; qualified; experienced; abstainer; town or country. Thomas, 37 Downs Road, Clapton, E.5. Phone: Clissold 1448.

MANAGER, qualified, 35, desires permanency or Locum; fully experienced; town or country. "Chemist," 5 Chelsham Road, S.W.4.

MANAGER, Superintendent, or Buyer desires responsible post; 50; disengaged. T12691, "Observer," Hastings.

MANAGER; 31; married; good varied experience, Continental, also Surgical Appliances; excellent references; Lancashire preferred. 50/5, Office of this Paper.

MANAGER, qualified, Scot, 30, sound London and provincial experience, desires post offering good prospects; interview. 50/18, Office of this Paper.

M.P.S., 27, Manager or Senior; Bristol, Bath or district preferred; fully experienced. "N.," 7 Trinity Parade, Frome, Somerset.

M.P.S., 26, married, seeks situation; living accommodation preferred; smart, capable, conscientious worker; thoroughly experienced in all branches, London and seaside; now managing suburban branch; highly recommended. 47/21, Office of this Paper.

M.P.S., elderly but active, Manager in present position salary. Boales, 55 High Street, Totnes.

OPTICIAN, 26, passed S.M.C. (except Sec. C), tall, good personality, experienced, all repairs, desires position with Chemist desiring commencing Optics; can do N.I.I. Write R. Lynch, 23 Brenthurst Road, N.W.10.

OPTICIAN-DISPENSER, J.C.Q.O. (lady), desires change, London; competent Refractionist; general pharmaceutical experience; would open Optical department for chemist. 49/25, Office of this Paper.

OWING to reorganisation of the Branches carried on by a well-known Chatham firm of Chemists, a capable Assistant (unqualified) will shortly be at liberty; 35 years; height 5 ft. 10 in.; good references. "D.," 7 Railway Street, Chatham.

PART or whole time; Dispensing, Counter, Stock; many years' experience; highest references; S.E. Crowther, 18 Elm Road, Beckenham.

PART-TIME, evenings and week-ends; keen and enthusiastic; reliable Dispenser and Salesman; Window-dressing, Showcards. Alter, 92 High Street, N.16.

PART-TIME; unqualified; age 20; used to Panel Dispensing. S. Doctors, Chelsea Polytechnic, Manresa Road, S.W.3.

PERSONAL Coaching and Tuition for Preliminary and Pharmaceutical Examinations; moderate charges. "B. Pharm.," 91 Stamford Hill, N.16.

PHARMACIST; 24; Optical qualification; trained by well-known Northern House; tall; good appearance; excellent references; locum or permanency. Hughes, 41 Marlowe Road, Wallasey.

PHARMACIST, free, Manager or Assistant, competent, trustworthy, good experience, requires post immediately. Pugh, 4 Gl. Elms Road, Bromley, Kent.

PLEASE do me the favour of posting a card if you have a vacancy for a Qualified Assistant, aged 23; by return you will receive my application, with first-class credentials and references for your confidential inquiries. T. Moffatt, 10 Phillips Avenue, Middlesbrough.

QUALIFIED; Manager or Assistant; best experience; abstainer; middle-aged; London or 20 miles' radius; low salary; now disengaged. 47/16, Office of this Paper.

QUALIFIED (gentleman); 23; 5 ft. 6 in.; accustomed to quick cash business; heavy Insurance Dispensing and Counter Prescribing; at liberty; anywhere. "Excel," 48/7, Office of this Paper.

QUALIFIED, 27, Manager or Senior, desires post in London area; first-class experience; proved business builder; keen Salesman, trained Window-dresser; increasing business now managing. 48/12, Office of this Paper.

QUALIFIED, experienced Manager, London and South Coast, desires change to where business is to be done; South Coast or London suburb preferred; expert Prescriber; accustomed to sole control in all branches. "Pharmacist," 1 The Crescent, Woldingham, Surrey.

QUALIFIED, 25, desires permanent position; disengaged now; South-West preferred, not essential. Brobyn, 54 Ruspidge Road, Cinderford, Glos.

QUALIFIED Pharmacist, F.S.M.C., F.I.O. (eligible J.C.Q.O.), keen Optician, single, age 28, 12 years' Retail experience, requires position in combined business; Manager or Assistant; available immediately. "F. H.," 23 Highfield Road, Dartford, Kent.

QUALIFIED desires position; young and energetic; good all-round experience; excellent references. Leach, 29 Carleton Street, Beechcliffe, Keighley.

QUALIFIED seeks engagement; experienced in heavy N.H.I. and Private Dispensing; not afraid of work; disengaged. J. Greer, 28 Hard Lane, St. Helens.

QUALIFIED Manager; smart, active, middle-aged; good Window-dresser; quick, accurate Dispenser. "T.," 27 Crouch Hill, N.4.

QUALIFIED, 22, first-class Dispensing and Counter experience, also Window-dressing and Photography, requires position in London or South; excellent references; at liberty soon. 48/32, Office of this Paper.

QUALIFIED, 23, a Scot, smart, capable, good references, seeks post; free November 1. Apply "Chemist," c/o Denny, 206 Woodlands Road, Glasgow.

QUALIFIED; 25; eight years' all-round experience; excellent references; disengaged. "Chemist," 38 Pembroke Road, Seven Kings.

QUALIFIED, young, desires permanency as Manager or Assistant in city or busy town, or short periods locum work; keen, energetic, capable; low salary. "Chemist," 16 Lancaster Place, Backburn.

QUALIFIED, 27, tall, over eleven years' excellent experience in City, West End, suburbs, provinces, seeks situation, Manager or Senior; highest references. Gaiward, 150 High Street, Putney. Putney 6609.

QUALIFIED; single; 48; good all-round experience (West End and provincial); disengaged. 59 Lytchett Minster, Poole, Dorset.

QUALIFIED; 27; Manager or Assistant; managerial, all-round experience; with or without house accommodation; excellent credentials. "W. J. C.," 150 Clapham Park Road, S.W.2.

QUALIFIED, 26, desires post in the North; 11 years' sound experience, company and private pharmacy; thoroughly conversant with modern business methods; competent Salesman and capable of making successful window displays; highest references. Mortimer, 190 Reads Avenue, Blackpool.

QUALIFIED Manager, 32, desires permanency; living accommodation; small wage if succession can be arranged after few years' managership. 50/22, Office of this Paper.

QUALIFIED; 25; single; tall; nine years' seaside and London experience; Manager or Senior; knowledge of Optics and Wireless; excellent references. 49/23, Office of this Paper.

RELIABLE; unqualified; 25; London, City, provincial experience; Dispensing; smart Salesman, Window-dresser, Photographic, Practopedics, Surgical; height 6 ft.; good address; honest and trustworthy; take charge. "Seaborn," 32 St. Mary's Road, Canonbury, London, N.1.

SEASIDE, with possible view to purchase in a year or so; qualified; married; fully experienced; 4 years' seaside management. N. Spencer, Harcourt House, Camberley, Surrey.

SOUND, reliable Assistant, 27 years old, tall, smart, desires permanency as Senior; 12 years' all-round experience; unblemished record; capable of taking charge; London or district. "E. H. K.," 48 Kensington Avenue, Watford, Herts.

UNQUALIFIED; 50; good N.I.I. Private Dispensing and Photographic experience; Yorkshire preferred; at liberty. "Quickly," 4 Trafalgar Street, York.

UNQUALIFIED; 24; first-class Dispensing experience, City, West End and country; good references; disengaged. C. Hunter, 7 Redburn Street, S.W.3.

UNQUALIFIED; competent; reliable; tall; abstainer; successful Prescriber; Nottingham or Derby districts. Howard, 30 Pimlico, Ilkeston (Derbys).

UNQUALIFIED; 20 years' experience; Dispensing, Counter, Photographic; disengaged; Locum accepted. Harris, 8 St. James Street, Newport, Isle of Wight.

YOUNG lady desires post as Assistant Dispenser (Hall); good references; within travelling distance of Brighton. 8 Prestonville Road, Brighton.

YOUNG Lady Assistant (Welsh) desires post immediately; "Hall" in Dispensing; quick and energetic; reliable; excellent testimonials. 49/18, Office of this Paper.

A well-known firm of Manufacturing Chemists and Druggists of established reputation (covering nearly two centuries), holding contracts for the supply of their products to Governments, Hospitals and Institutions in most parts of the world, and possessing unique facilities for the expeditious and economical handling of large trade orders, **INVITE ENQUIRIES** from **OWNERS** of **PROPRIETARY MEDICINES** for the

MANUFACTURE AND PACKING OF THEIR SPECIALITIES.

Large profit is not sought but the employment at the fullest capacity of staff and plant under highly qualified scientific control. Principals only will deal with enquiries, which should be addressed to 193/836, Office of this Paper.

WHOLESALE.

A—AN experienced Representative, good connection West House; own car. 50/30, Office of this Paper.

A REPRESENTATIVE, experienced, having large connection, requires engagement; calling on Chemists, Hairdressers, Doctors, etc., in London and suburbs. P.C.B. 8/2, Office of this Paper.

A WELL-KNOWN, experienced Representative, with strong personal connection, Midlands and surrounding counties, desires to represent first-class House; keen, conscientious worker; undeniable references; qualified; own car if required. 50/10, Office of this Paper.

A LL-ROUND experience, Buying for Wholesale and Retail Chemists (large house); had charge warehouse, invoicing, etc.; first-class references; age 40. 46/39, Office of this Paper.

A N experienced Sales and General Manager of manufacturing and distributive industries, qualified Chemist, seeks responsible appointment, 25 years' technical and commercial experience, including Medicinal, Toilet and Household Proprietarys, Fertilisers and Feeding Stuffs, Insecticides and Fungicides, Industrial Chemicals, Paints and Varnishes; expert office organiser, accustomed to control of accountancy, sales, advertising, printing, and publishing departments; adequate references in regard to ability and integrity; correspondence invited. 47/10, Office of this Paper.

A N experienced Representative, Pharmaceutically trained, valuable connection Lancashire, Cheshire, Yorkshire, proved salesmanship and propaganda, desires engagement; locate anywhere. 48/36, Office of this Paper.

DEMONSTRATOR, trained Hospital Nurse, of good appearance, experienced Saleswoman, desires situation; London preferred. Address "B. M." P.C.B. 7/40, Office of this Paper.

M.P.S.—DIRECTOR, Secretary; Wholesale or Manufacturing; not travelling; investment. P.C.B. 7/35, Office of this Paper.

NORTHERN IRELAND.—Agent, with sound Wholesale and Retail connection, desires house for Carded Lines. 49/2, Office of this Paper.

PHARMACIST, 26, 6 years' Retail experience, requires progressive position with Wholesale House in Birmingham district with a view to further qualification. 47/2, Office of this Paper.

QUALIFIED Pharmacist, experienced in Store, West End and Provincial Pharmacy, age 25, tall, good appearance, excellent references, requires position with good Wholesale House as Representative. P.C.B. 7/35, Office of this Paper.

QUALIFIED, 22, seeks progressive position in Laboratory, Factory or Hospital; 5 years' Retail and Dispensing experience; well recommended, energetic and reliable. "Serum," 78 Dane Park Road, Ramsgate.

RELIABLE Representative, sound Chemists, etc., connection Southern Counties, seeks engagement with good House; well known; efficient worker; own car; any reasonable basis considered. 50/36, Office of this Paper.

UNQUALIFIED desires situation, Wholesale, Retail, Manufacturing, Laboratory; Salesman; 5 years' West-End Retail experience; age 22. Gerrard, 42 Park Avenue, Wood Green, London, N.22.

WORKING Foreman, young, seeks situation; 20 years' good all-round experience; Manufacturing Pharmaceutical and Toilet Preparations, etc. "L. B.," 51 Farmilo Road, Leyton, E.17.

COLONIAL, INDIAN AND FOREIGN.

A QUALIFIED Chemist desires post abroad; Far East preferred; first-class experience, references. Full particulars on application to 46/26, Office of this Paper.

QUALIFIED, Scot, age 25, desires position on Continent; experience in Italy, Paris, Edinburgh, London; excellent references; free now. Replies to Mouat, 62 Avenue Champs Elysées, Paris.

CLEAR OUT—your Old or Damaged Stock of Photo Goods

Why keep them any longer? Turn them into CASH.
I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.
S. E. HACKETT, 23 July Road, Liverpool

FOR SALE.

BEST quality Opal Pots, aluminium screw cap, 23 dozen 4 oz., 36 dozen 2 oz.; best offer takes. Wood, 44 Chapel Road, Hounslow.

TWO Oak Display Stands, three-tier, 20 x 20, 2s. 6d. each; two Green Blinds, 37 x 23, 1s. 6d. each; Syphon Basket, 1s. 9d.; two Electric Belis, 1s. 3d. each; York Glass Percolator, 3s. 6d.; seven Mahogany Drawers, 8½ x 7½ x 4½, 1s. 3d. each; Plate-glass Shelf, 28 x 14, 4s. 6d.; very ancient Leech Jar, genuine antique, 10s. 6d.; carriage forward. Baldwins Drug Stores, 87 Upper Brockley Road, S.E.4.

MISCELLANEOUS.

A PHARMACY, fitted with reconditioned 5-ft. Showcase front Counter, 9-ft. Drugfitting with mahogany-fronted Drawers, 4-ft. mahogany Wall Showcase, 4-ft. 6-in. mahogany Dispensing Screen, drawers at back, mahogany Perfume Case and Desk, £60 the Set. Many other Sets in stock to suit any shop. Call and make your selection. Upright and Flat Counter Cases, Silent Salesmen, All-glass Counters, Display Stands, Swan-neck and Pear-shape Carboys, Recessed Label Shop Rounds, Electric Signs, Check Tills, etc., cheap. RUDDUCK & CO., 219 Old Street, London, E.C.1.

CHEMISTS' FITTINGS.—We hold an immense stock of Drug Fittings, Dispensing Screens, Glass Fronted Counters, Perfumery Cases, Nests of Drawers, Wall Cases, Silent Salesmen, Upright and Flat Counter Cases, Plate-glass Counters, Cash Tills, Display Stands and Glass Shelves, etc., ready for immediate delivery at competitive prices. Write or call for List. F. MAUND & E. BERG (SHOWCASES), LTD., 175/9 and 336 Old Street, London, E.C.1.

CHEMISTS' MAHOGANY FITTINGS.—Complete Drugfitting, 14 ft., 12 ft., 10 ft. and 8 ft. long, 8 ft. 6 in. high; Wallcases, 10 ft., 8 ft., 7 ft. long, 8 ft. 6 in. high; Glass-front Counters, 12 ft., 10 ft., 8 ft. and 7 ft. long; one Wallcase, 4 ft. 6 in. wide, 7 ft. high, 1 ft. deep; Dispensing Screens, 7 ft., 6 ft. and 5 ft. long; two 4 ft. Nests Counter Drawers; low prices to clear; sketches by return. GEORGE COOK, The Working Shepfitter (over 40 years experience), 27 Macclesfield Street, City Road, E.C.1. Clerk. 5371.

CHEMISTS' SHOPFITTINGS, second-hand and shop-soiled. A large selection of these taken in part exchange for Sale at bargain prices. Write your requirements to or call at PHILIP JOSEPHS & SONS, LTD., 90/2 St. John Street, Clerkenwell, E.C.1. "Pharmacy Fitters for Over a Century."

£?—COMPLETE CHEMIST FITTINGS at any price you wish to pay. We have erected in our showroom a Complete Chemist Shop with Metal Shop Front, Window Backs, Correct Window Lighting Signs and Modern Interior Fittings. Apply for Lists. D. MATTHEWS & SON, LTD., "The Liverpool Shop Fitters," 14 and 16 Manchester Street, Liverpool Est. 1848.

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FOR DISPOSAL.

CHEMIST'S COUNTER SCALES (Maw's), in perfect condition, stamped, without weights, 30s. 49/4, Office of this Paper.

CASH REGISTER TILL for Sale, small "National" model; suit any business; perfect in every respect. Write C. Green, 212 Castellain Mansions, Maida Vale, W.9.

WANTED.

GENERAL AND PRACTICAL OPTICS, also Haab's Atlas Hargreaves, 54 Woodville Road, New Barnet.

FITTINGS, BOTTLES, etc., good style and condition. Price, size, etc., to "Chemist," 75a Broadway, Mill Hill, N.W.7.

GOWER, Chemists' Bookseller, 41 Voltaire Road, Clapham, wants Pharmaceutical Books, including B.P., Pharmaceutical Formulas, B.P.C., P.J.F., Optical Books, Materia Medica Collections.

NESTS OF DRAWERS wanted. Give full particulars of size, condition and desired price to Finney's, Seed Merchants Newcastle-on-Tyne.